




電聲產品專業製造商


Electro acoustic products

江蘇華能電子有限公司
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Company Profile

江苏华能电子有限公司成立了蜂鸣器事业部，专门负责蜂鸣器系列产品的制造与研发，产品主要有贴片式蜂鸣器、电磁式蜂鸣器、压电式蜂鸣器。本公司研制生产的系列电子蜂鸣器产品广泛应用于：通讯、家用电器、汽车、电动自行车、UPS电源、报警报讯、仪器仪表、电子发音玩具及电子钟表等。公司自创办以来本着“团结、协作、创新、高效”的经营理念，全员参与，精益求精，为客户提供优质的电声系列产品。公司以品质第一、交期第一的服务理念为客户提供优质的产品。

Jiangsu HUAWHA Electronics Co.,Ltd. was established buzzer division, responsible for manufacturing and R & D buzzer series of products, products mainly SMD buzzer, electromagnetic buzzer, piezoelectric buzzer. The company developed the production of a series of electronic buzzer products are widely used in: telecommunications, home appliances, automobiles, electric bicycles, UPS, reported hearing the alarm, instrumentation, electronic toys and watches and other electronic pronunciation. Since its inception the spirit of "unity, cooperation, innovation, efficiency," business philosophy, full participation, excellence, to provide customers with high-quality electro-acoustic products. The company quality first, the first delivery of the service concept to provide customers with quality products.



医疗设备 | 工业控制板 | 触摸开关 | 小家电类 | 报警器 | 玩具 | 防盗报警

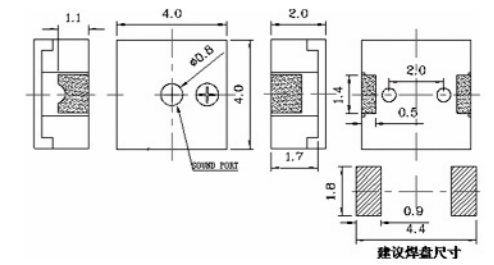
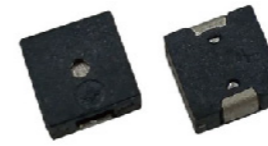
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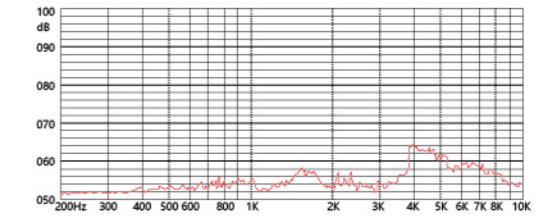
SMD Magnetic Buzzer



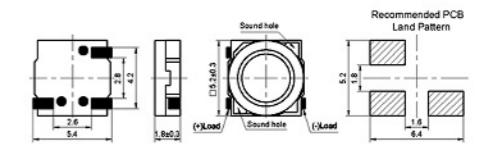
MLT-4020



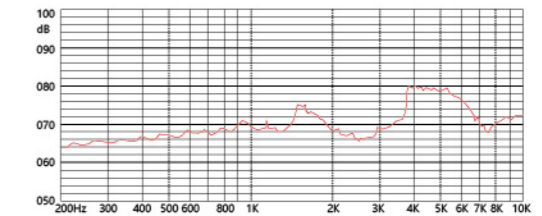
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|-----------------------|----------|------------|
| Oscillation Frequency | Hz | 4000 |
| Operating Voltage | Vo-p | 2 ~ 4 |
| Rated Voltage | Vo-p | 3 |
| Current Consumption | mA | MAX. 90 |
| Sound Pressure Level | dB | MIN. 65 |
| Coil Resistance | Ω | 17 \pm 3 |
| Dimension | mm | 4 x 4 x H2 |
| Weight(MAX) | gram | 0.1 |



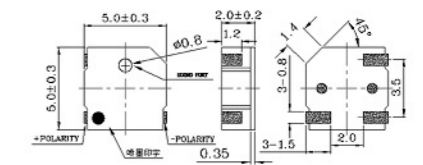
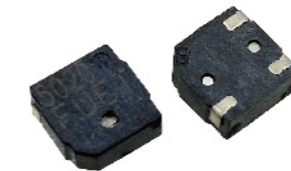
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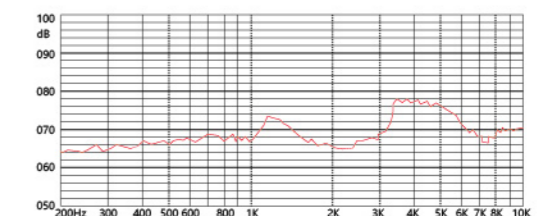
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|-----------------------|----------|--------------|
| Oscillation Frequency | Hz | 4000 |
| Operating Voltage | Vo-p | 2 ~ 5 |
| Rated Voltage | Vo-p | 3 |
| Current Consumption | mA | MAX. 120 |
| Sound Pressure Level | dB | MIN. 75 |
| Coil Resistance | Ω | 12 \pm 2 |
| Dimension | mm | 5 x 5 x H1.8 |
| Weight(MAX) | gram | 0.15 |



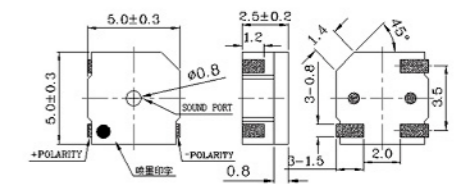
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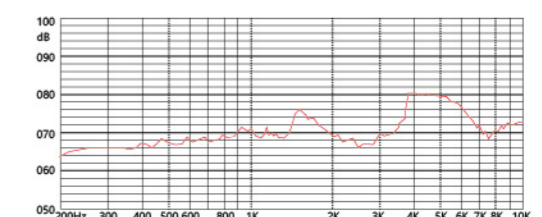
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|-----------------------|----------|--------------|
| Oscillation Frequency | Hz | 4000 |
| Operating Voltage | Vo-p | 2 ~ 4 |
| Rated Voltage | Vo-p | 3 |
| Current Consumption | mA | MAX. 110 |
| Sound Pressure Level | dB | MIN. 75 |
| Coil Resistance | Ω | 12 \pm 2 |
| Dimension | mm | 5 x 5 x H2.0 |
| Weight(MAX) | gram | 0.15 |



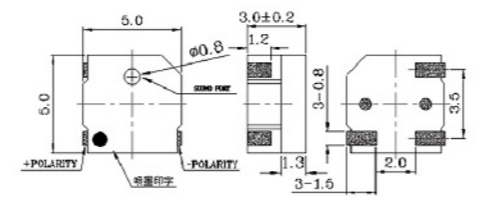
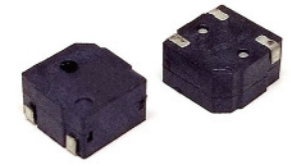
MLT-5025



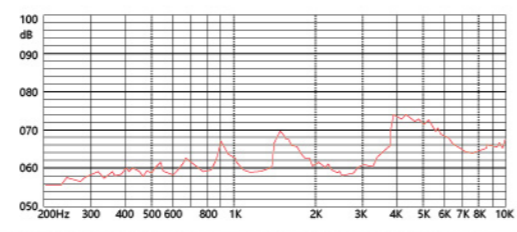
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| Oscillation Frequency | Hz | 4000 |
| Operating Voltage | Vo-p | 2 ~ 4 |
| Rated Voltage | Vo-p | 3 |
| Current Consumption | mA | MAX. 110 |
| Sound Pressure Level | dB | MIN. 75 |
| Coil Resistance | Ω | 12 \pm 2 |
| Dimension | mm | 5 x 5 x H2.5 |
| Weight(MAX) | gram | 0.15 |



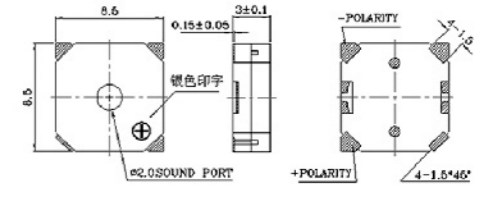
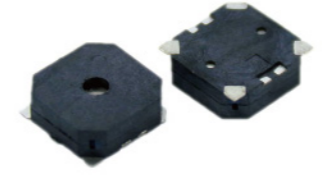
MLT-5030



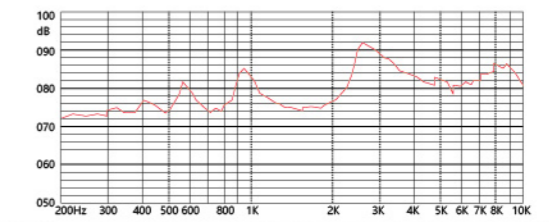
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|-----------------------|------|--------------|
| Oscillation Frequency | Hz | 4000 |
| Operating Voltage | Vo-p | 2 ~ 4 |
| Rated Voltage | Vo-p | 3 |
| Current Consumption | mA | MAX. 110 |
| Sound Pressure Level | dB | MIN. 80 |
| Coil Resistance | Ω | 12±2 |
| Dimension | mm | 5 x 5 x H3.0 |
| Weight(MAX) | gram | 0.15 |



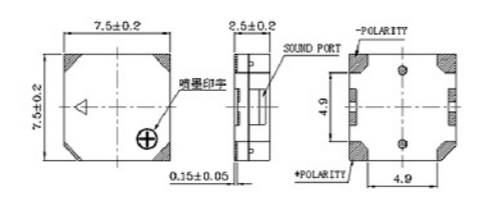
MLT-8530H



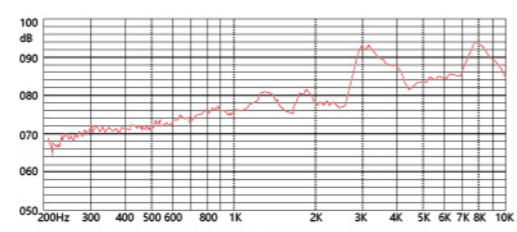
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|-----------------------|------|----------------|
| Oscillation Frequency | Hz | 2700 |
| Operating Voltage | Vo-p | 2.5 ~ 4.5 |
| Rated Voltage | Vo-p | 3.6 |
| Current Consumption | mA | MAX. 100 |
| Sound Pressure Level | dB | MIN. 85 |
| Coil Resistance | Ω | 16±3 |
| Dimension | mm | 8.5 x 8.5 x H3 |
| Weight(MAX) | gram | 0.4 |



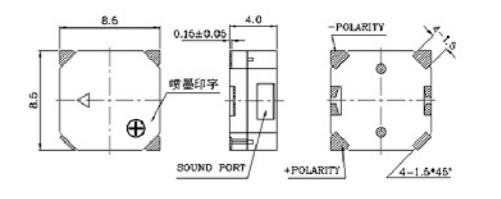
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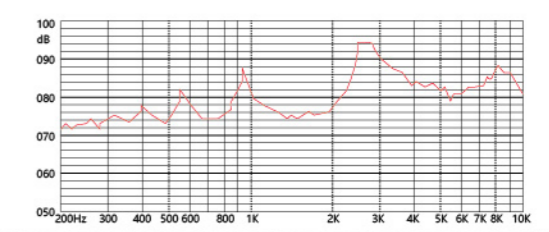
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|-----------------------|------|------------------|
| Oscillation Frequency | Hz | 2700 |
| Operating Voltage | Vo-p | 2.5 ~ 4.5 |
| Rated Voltage | Vo-p | 3.6 |
| Current Consumption | mA | MAX. 100 |
| Sound Pressure Level | dB | MIN. 80 |
| Coil Resistance | Ω | 16±3 |
| Dimension | mm | 7.5 x 7.5 x H2.5 |
| Weight(MAX) | gram | 0.3 |



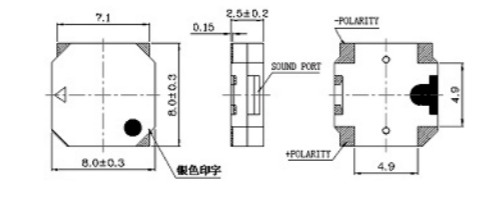
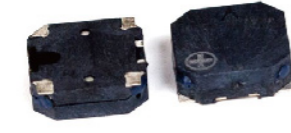
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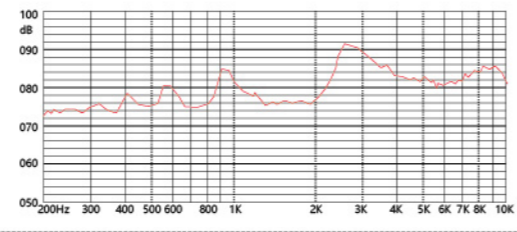
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|-----------------------|------|----------------|
| Oscillation Frequency | Hz | 2700 |
| Operating Voltage | Vo-p | 2.5 ~ 4.5 |
| Rated Voltage | Vo-p | 3.6 |
| Current Consumption | mA | MAX. 100 |
| Sound Pressure Level | dB | MIN. 90 |
| Coil Resistance | Ω | 16±3 |
| Dimension | mm | 8.5 x 8.5 x H4 |
| Weight(MAX) | gram | 0.4 |



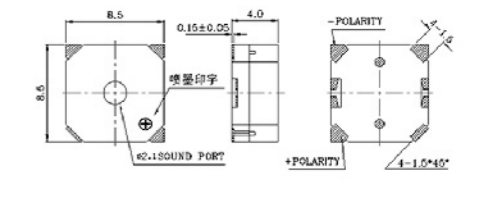
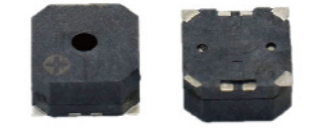
MLT-8025



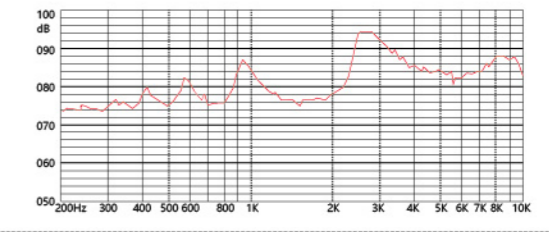
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|-----------------------|------|--------------|
| Oscillation Frequency | Hz | 2700 |
| Operating Voltage | Vo-p | 2.5 ~ 4.5 |
| Rated Voltage | Vo-p | 3.6 |
| Current Consumption | mA | MAX. 110 |
| Sound Pressure Level | dB | MIN. 75 |
| Coil Resistance | Ω | 16±2 |
| Dimension | mm | 8 x 8 x H2.5 |
| Weight(MAX) | gram | 0.4 |



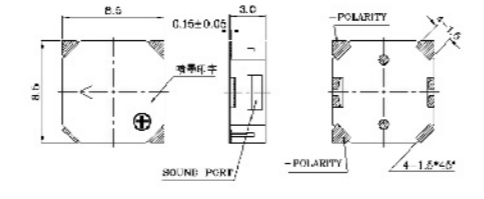
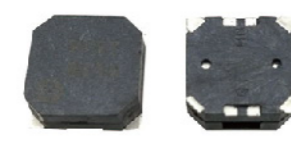
MLT-8540H



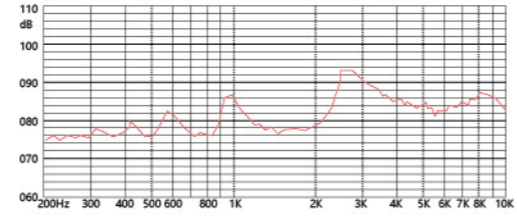
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| Oscillation Frequency | Hz | 2700 |
| Operating Voltage | Vo-p | 2.5 ~ 4.5 |
| Rated Voltage | Vo-p | 3.6 |
| Current Consumption | mA | MAX. 100 |
| Sound Pressure Level | dB | MIN. 85 |
| Coil Resistance | Ω | 16±3 |
| Dimension | mm | 8.5 x 8.5 x H4 |
| Weight(MAX) | gram | 0.4 |



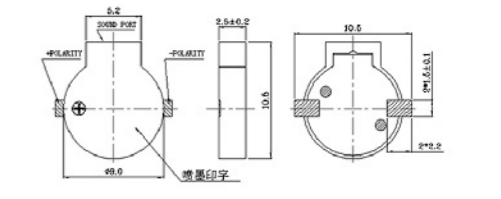
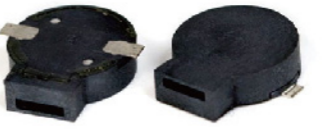
MLT-8530



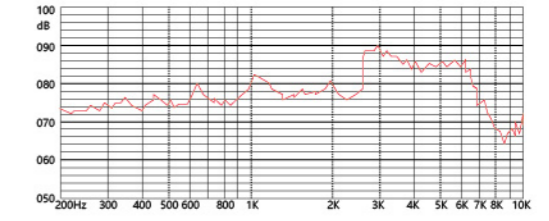
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| Oscillation Frequency | Hz | 2700 |
| Operating Voltage | Vo-p | 2.5 ~ 4.5 |
| Rated Voltage | Vo-p | 3.6 |
| Current Consumption | mA | MAX. 100 |
| Sound Pressure Level | dB | MIN. 85 |
| Coil Resistance | Ω | 16±3 |
| Dimension | mm | 8.5 x 8.5 x H3 |
| Weight(MAX) | gram | 0.4 |



MLT-9025



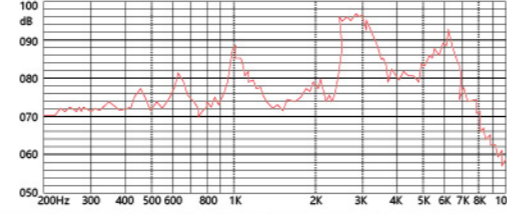
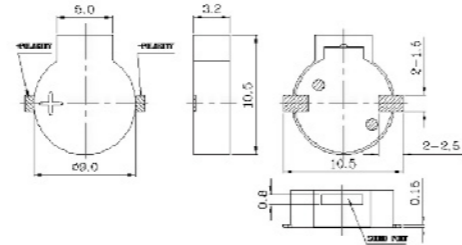
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| Oscillation Frequency | Hz | 2700 |
| Operating Voltage | Vo-p | 2.5 ~ 4.5 |
| Rated Voltage | Vo-p | 3.6 |
| Current Consumption | mA | MAX. 100 |
| Sound Pressure Level | dB | MIN. 85 |
| Coil Resistance | Ω | 16±3 |
| Dimension | mm | 9.0 x H2.5 |
| Weight(MAX) | gram | 0.4 |



MLT-9032



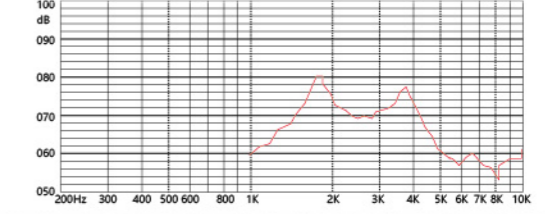
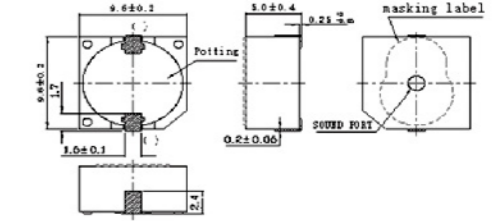
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| Oscillation Frequency | Hz | 2700 |
| Operating Voltage | Vo-p | 2.5 ~ 4.5 |
| Rated Voltage | Vo-p | 3.6 |
| Current Consumption | mA | MAX. 100 |
| Sound Pressure Level | dB | MIN. 85 |
| Coil Resistance | Ω | 16 \pm 3 |
| Dimension | mm | 9.0 x H3.2 |
| Weight(MAX) | gram | 0.4 |



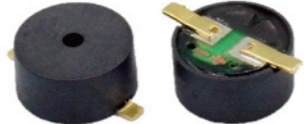
MLT-9650F



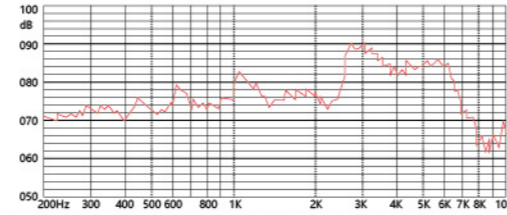
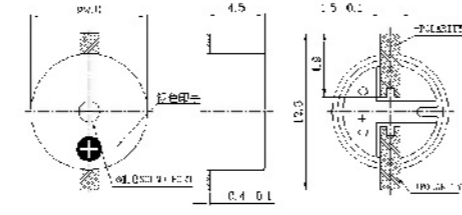
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| Oscillation Frequency | Hz | 2731 |
| Operating Voltage | Vo-p | 3 ~ 7 |
| Rated Voltage | Vo-p | 5 |
| Current Consumption | mA | MAX. 80 |
| Sound Pressure Level | dB | MIN. 80 |
| Coil Resistance | Ω | 30 \pm 3 |
| Dimension | mm | 9.6x 9.6x H5.0 |
| Weight(MAX) | gram | 1 |



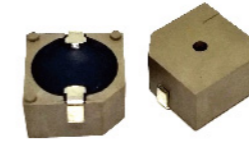
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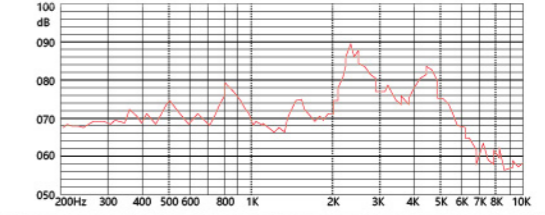
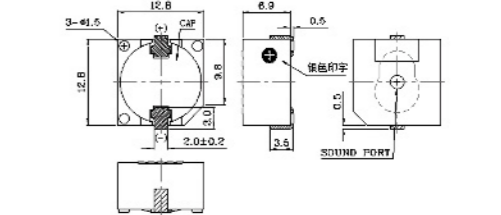
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|-----------------------|----------|------------|
| Oscillation Frequency | Hz | 2700 |
| Operating Voltage | Vo-p | 2.5 ~ 4.5 |
| Rated Voltage | Vo-p | 3.6 |
| Current Consumption | mA | MAX. 100 |
| Sound Pressure Level | dB | MIN. 85 |
| Coil Resistance | Ω | 16 \pm 3 |
| Dimension | mm | 9.0 x H4.5 |
| Weight(MAX) | gram | 0.8 |



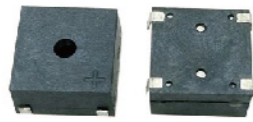
MLT-1365F



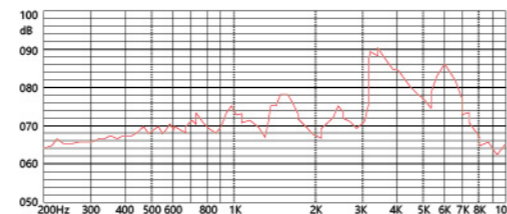
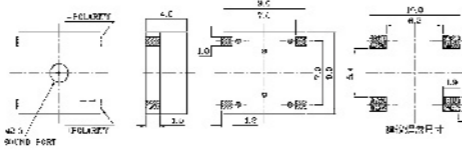
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|-----------------------|----------|--------------------|
| Oscillation Frequency | Hz | 2400 |
| Operating Voltage | Vo-p | 4 ~ 7 |
| Rated Voltage | Vo-p | 5 |
| Current Consumption | mA | MAX. 50 |
| Sound Pressure Level | dB | MIN. 85 |
| Coil Resistance | Ω | 45 \pm 3 |
| Dimension | mm | 12.8 x 12.8 x H6.5 |
| Weight(MAX) | gram | 2.5 |



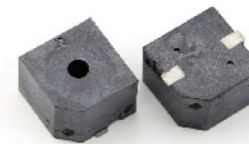
MLT-9045F



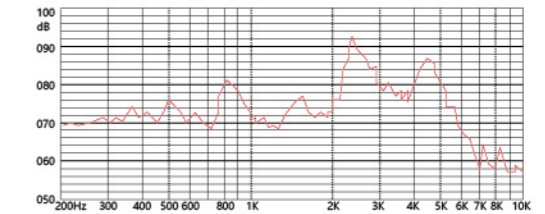
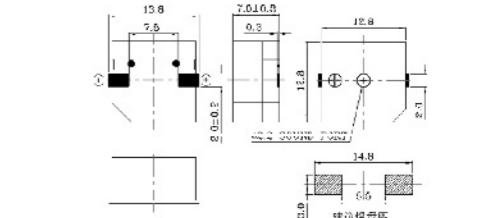
| Item | Unit | MLT-9045F |
|-----------------------|----------|------------------|
| Oscillation Frequency | Hz | 3200 |
| Operating Voltage | Vo-p | 2 ~ 5 |
| Rated Voltage | Vo-p | 3 |
| Current Consumption | mA | MAX. 100 |
| Sound Pressure Level | dB | MIN. 90 |
| Coil Resistance | Ω | 16 \pm 3 |
| Dimension | mm | 9.0 x 9.0 x H4.5 |
| Weight(MAX) | gram | 0.5 |



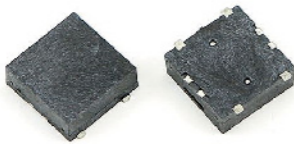
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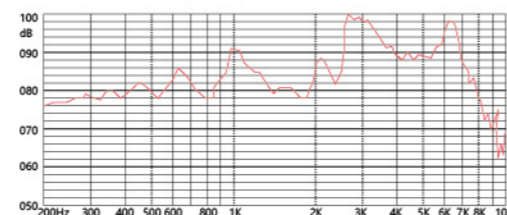
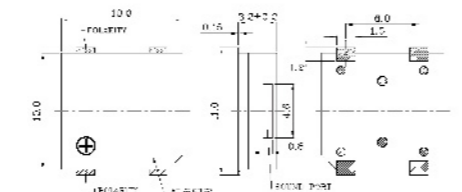
| Item | Unit | MLT-1370F |
|-----------------------|----------|------------------|
| Oscillation Frequency | Hz | 2400 |
| Operating Voltage | Vo-p | 3 ~ 7 |
| Rated Voltage | Vo-p | 5 |
| Current Consumption | mA | MAX. 50 |
| Sound Pressure Level | dB | MIN. 85 |
| Coil Resistance | Ω | 47 \pm 6 |
| Dimension | mm | 12.8 x 12.8 x H7 |
| Weight(MAX) | gram | 2.0 |



MLT-1032



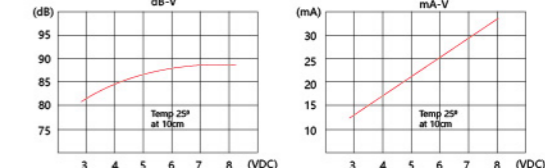
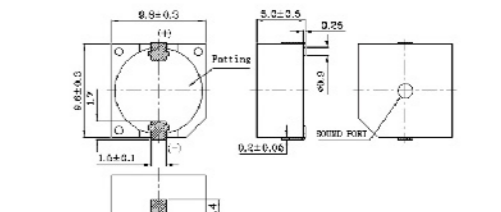
| Item | Unit | MLT-1032 |
|-----------------------|----------|----------------|
| Oscillation Frequency | Hz | 2700 |
| Operating Voltage | Vo-p | 2.5 ~ 4.5 |
| Rated Voltage | Vo-p | 3 |
| Current Consumption | mA | MAX. 100 |
| Sound Pressure Level | dB | MIN. 85 |
| Coil Resistance | Ω | 16 \pm 3 |
| Dimension | mm | 10 x 10 x H3.2 |
| Weight(MAX) | gram | 0.6 |



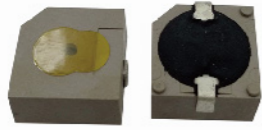
MLT-9650B 3V/5V/12V



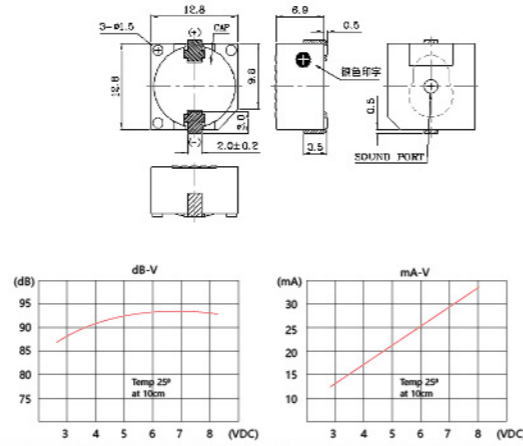
| Item | Unit | MLT-9650B 3V/5V/12V |
|-----------------------|------|---------------------|
| Oscillation Frequency | Hz | 3000 |
| Operating Voltage | VDC | 4 ~ 7 |
| Rated Voltage | VDC | 5 |
| Current Consumption | mA | MAX. 30 |
| Sound Pressure Level | dB | MIN. 85 |
| Tone/Pulse Rate | | Constant |
| Dimension | mm | 9.6 x 9.6 x H5.5 |
| Weight(MAX) | gram | 1 |



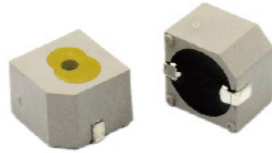
MLT-1365



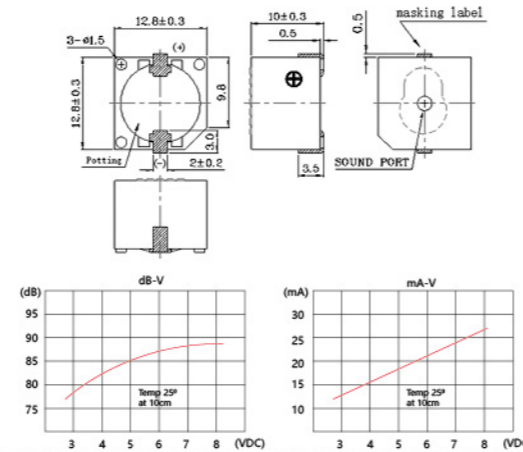
| Item | Unit | MLT-1365 |
|-----------------------|------|--------------------|
| Oscillation Frequency | Hz | 2400 |
| Operating Voltage | VDC | 4 ~ 7 |
| Rated Voltage | VDC | 5 |
| Current Consumption | mA | MAX. 30 |
| Sound Pressure Level | dB | MIN. 85 |
| Tone/Pulse Rate | | Constant |
| Dimension | mm | 12.8 x 12.8 x H6.5 |
| Weight(MAX) | gram | 2.5 |



MLT-1310

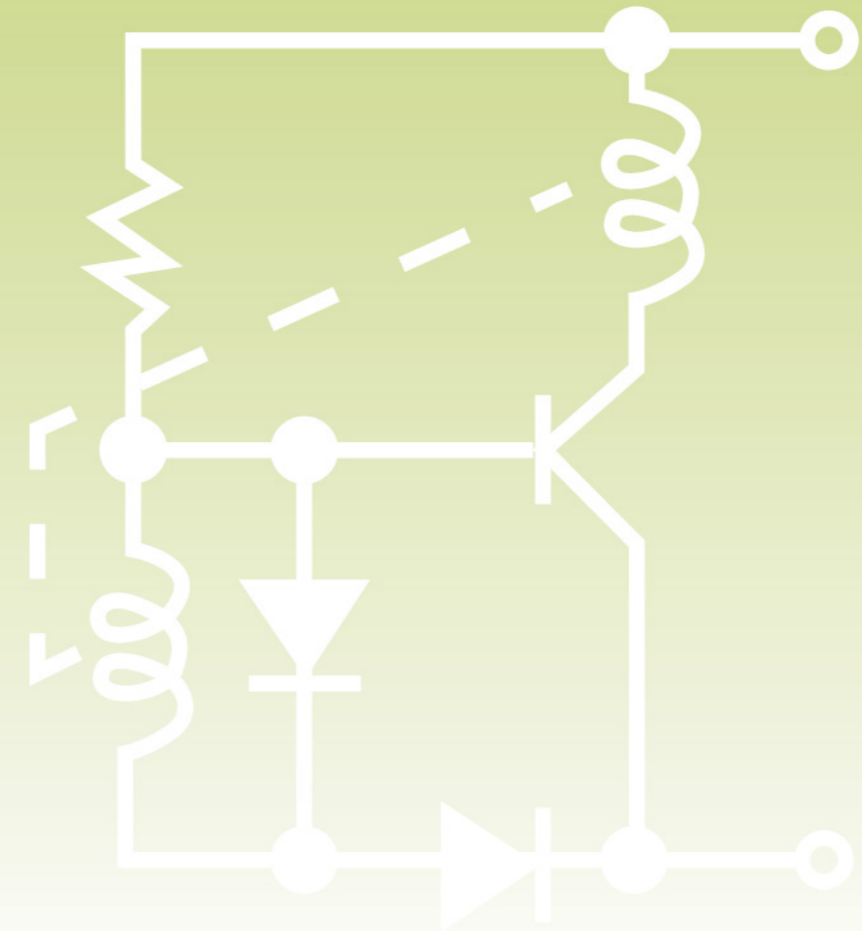
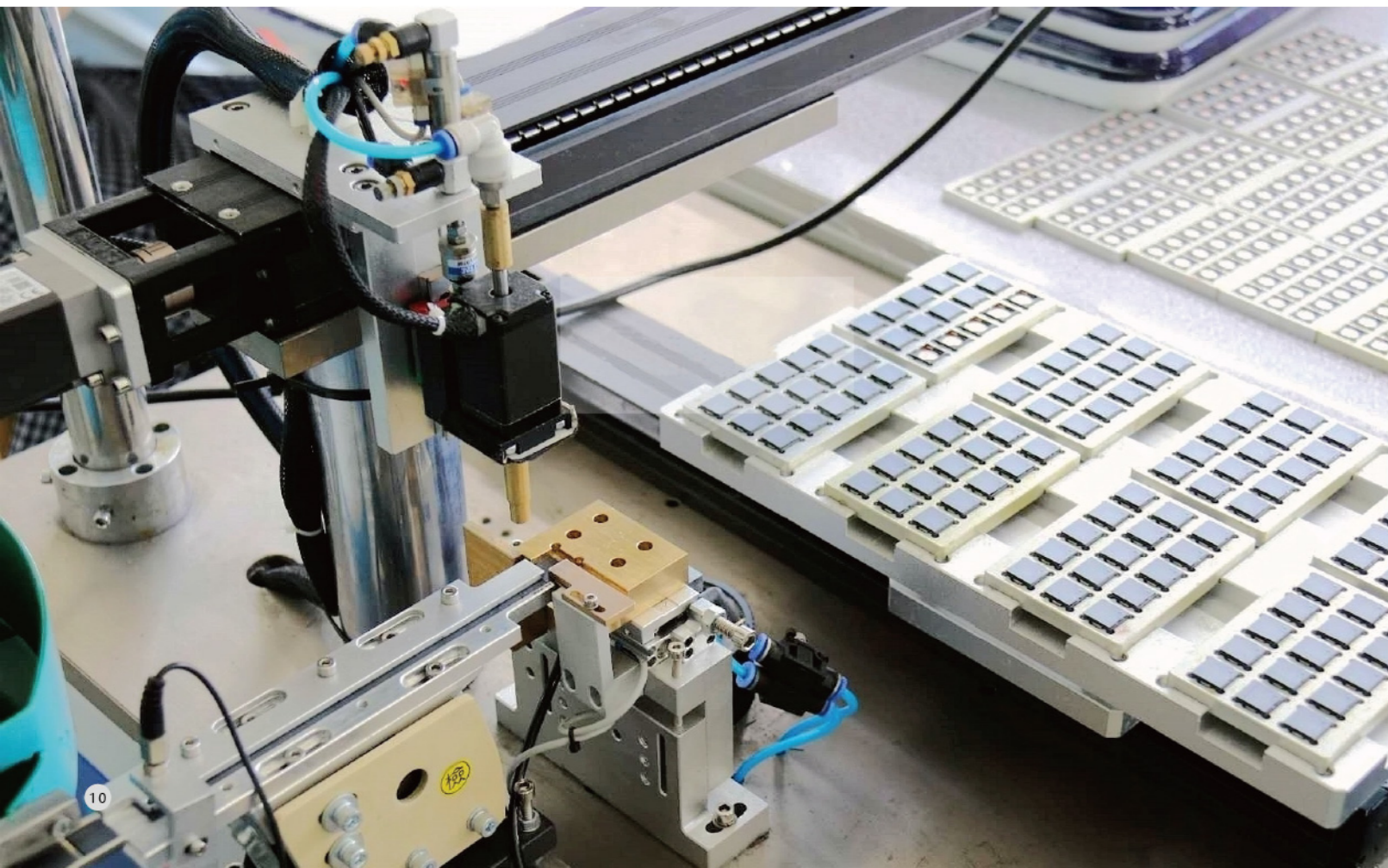


| Item | Unit | MLT-1310 |
|-----------------------|------|-------------------|
| Oscillation Frequency | Hz | 2400 |
| Operating Voltage | VDC | 4 ~ 7 |
| Rated Voltage | VDC | 5 |
| Current Consumption | mA | MAX. 30 |
| Sound Pressure Level | dB | MIN. 85 |
| Tone/Pulse Rate | | Constant |
| Dimension | mm | 12.8 x 12.8 x H10 |
| Weight(MAX) | gram | 3.0 |

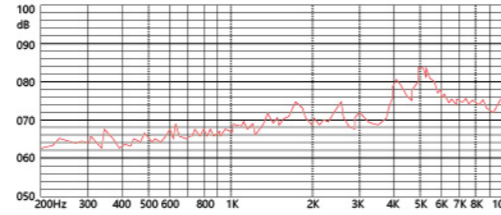
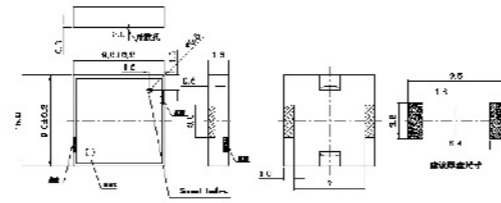


SMD Piezo Buzzer

贴片压电式蜂鸣器
SMD Piezo Buzzer

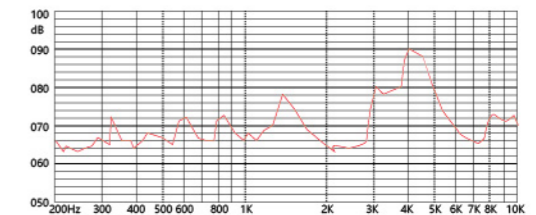
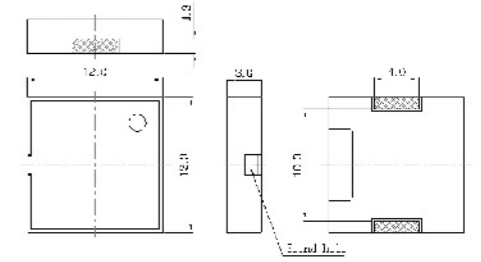
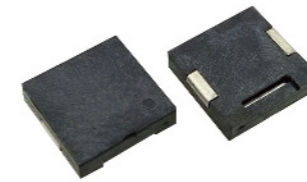


MLT-9018



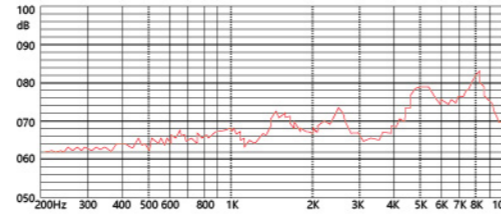
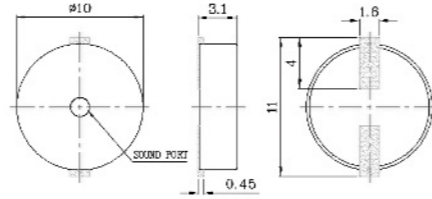
| Item | Unit | MLT-9018 |
|-------------------------|------|--------------|
| Oscillation Frequency | Hz | 4000 |
| Operating Voltage | Vo-p | 1 ~ 25 |
| Rated Voltage | Vo-p | 3 |
| Current Consumption | mA | MAX. 5 |
| Sound Pressure Level | dB | MIN. 65 |
| Capacitance at 100Hz 1v | pF | 12000±30% |
| Dimension | mm | 9 x 9 x H1.8 |
| Weight(MAX) | gram | 0.2 |

MLT-1230



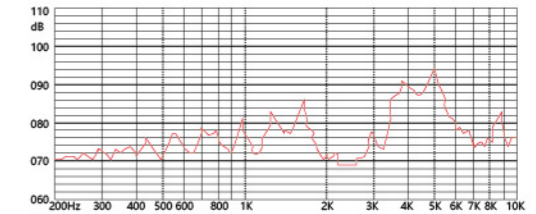
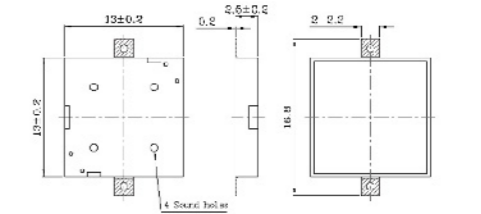
| Item | Unit | MLT-1230 |
|-------------------------|------|----------------|
| Oscillation Frequency | Hz | 4000 |
| Operating Voltage | Vo-p | 1 ~ 25 |
| Rated Voltage | Vo-p | 3 |
| Current Consumption | mA | MAX. 5 |
| Sound Pressure Level | dB | MIN. 75 |
| Capacitance at 100Hz 1v | pF | 16000±30% |
| Dimension | mm | 12 x 12 x H3.0 |
| Weight(MAX) | gram | 0.4 |

MLT-1030



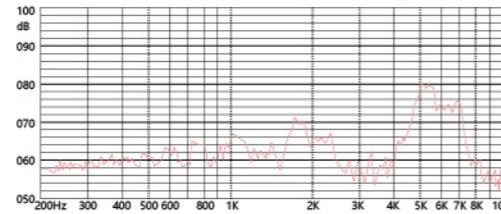
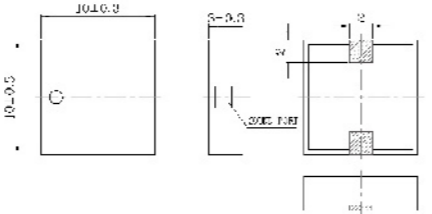
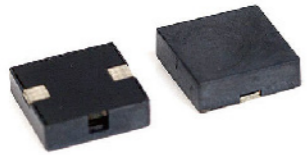
| Item | Unit | MLT-1030 |
|-------------------------|------|-----------|
| Oscillation Frequency | Hz | 5200 |
| Operating Voltage | Vo-p | 1 ~ 25 |
| Rated Voltage | Vo-p | 5 |
| Current Consumption | mA | MAX. 3 |
| Sound Pressure Level | dB | MIN. 75 |
| Capacitance at 100Hz 1v | pF | 11000±30% |
| Dimension | mm | 10 x H3.1 |
| Weight(MAX) | gram | 0.3 |

MLT-1325



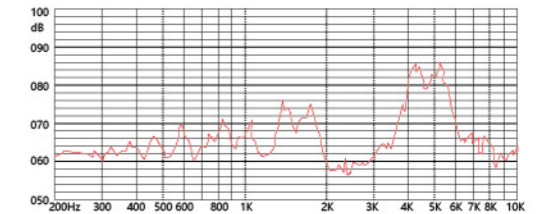
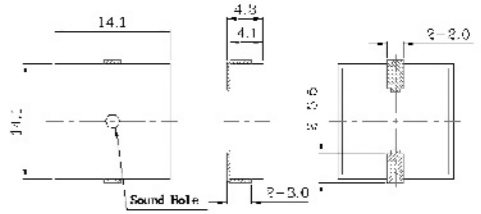
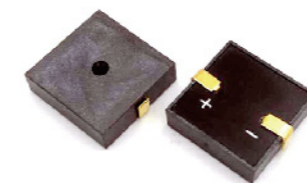
| Item | Unit | MLT-1325 |
|-------------------------|------|----------------|
| Oscillation Frequency | Hz | 4000 |
| Operating Voltage | Vo-p | 1 ~ 25 |
| Rated Voltage | Vo-p | 5 |
| Current Consumption | mA | MAX. 3 |
| Sound Pressure Level | dB | MIN. 75 |
| Capacitance at 100Hz 1v | pF | 16000±30% |
| Dimension | mm | 13 x 13 x H2.5 |
| Weight(MAX) | gram | 0.4 |

MLT-1030H



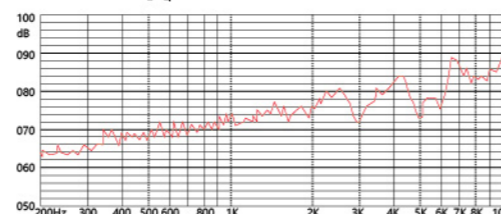
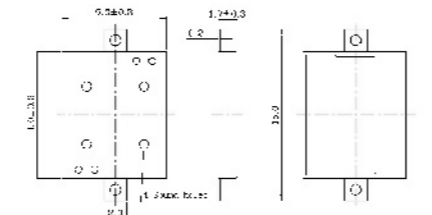
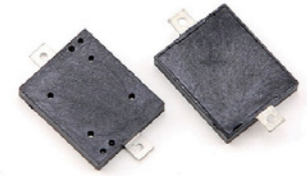
| Item | Unit | MLT-1030H |
|-------------------------|------|----------------|
| Oscillation Frequency | Hz | 5200 |
| Operating Voltage | Vo-p | 1 ~ 25 |
| Rated Voltage | Vo-p | 5 |
| Current Consumption | mA | MAX. 3 |
| Sound Pressure Level | dB | MIN. 70 |
| Capacitance at 100Hz 1v | pF | 12000±30% |
| Dimension | mm | 10 x 10 x H3.0 |
| Weight(MAX) | gram | 0.3 |

MLT-1440



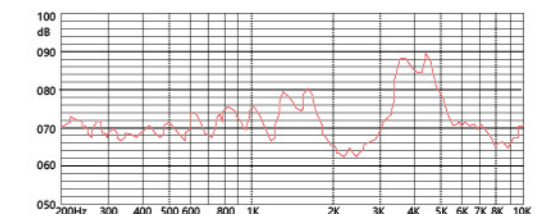
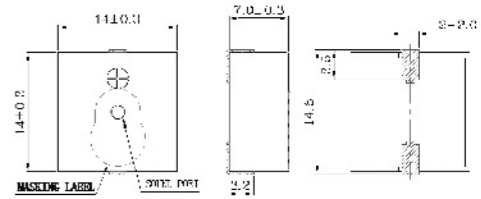
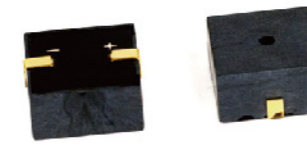
| Item | Unit | MLT-1440 |
|-------------------------|------|----------------|
| Oscillation Frequency | Hz | 4000 |
| Operating Voltage | Vo-p | 1 ~ 25 |
| Rated Voltage | Vo-p | 5 |
| Current Consumption | mA | MAX. 2 |
| Sound Pressure Level | dB | MIN. 75 |
| Capacitance at 100Hz 1v | pF | 12000±30% |
| Dimension | mm | 14 x 14 x H4.3 |
| Weight(MAX) | gram | 1.2 |

MLT-1109



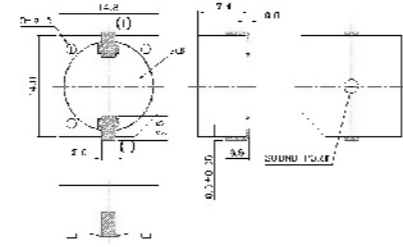
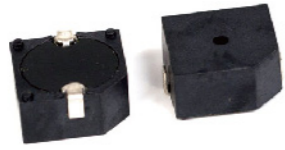
| Item | Unit | MLT-1109 |
|-------------------------|------|---------------|
| Oscillation Frequency | Hz | 4100 |
| Operating Voltage | Vo-p | 1 ~ 25 |
| Rated Voltage | Vo-p | 5 |
| Current Consumption | mA | MAX. 3 |
| Sound Pressure Level | dB | MIN. 70 |
| Capacitance at 100Hz 1v | pF | 12000±30% |
| Dimension | mm | 11 x 9 x H1.7 |
| Weight(MAX) | gram | 0.3 |

MLT-1470F

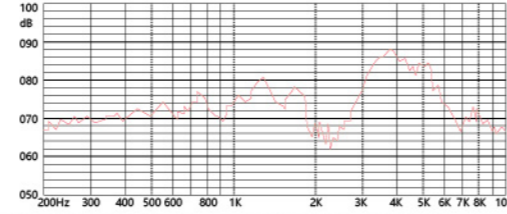


| Item | Unit | MLT-1470F |
|-------------------------|------|--------------|
| Oscillation Frequency | Hz | 4000 |
| Operating Voltage | Vo-p | 1 ~ 30 |
| Rated Voltage | Vo-p | 5 |
| Current Consumption | mA | MAX. 5 |
| Sound Pressure Level | dB | MIN. 85 |
| Capacitance at 100Hz 1v | pF | 16000±30% |
| Dimension | mm | 14 x 14 x H7 |
| Weight(MAX) | gram | 2.0 |

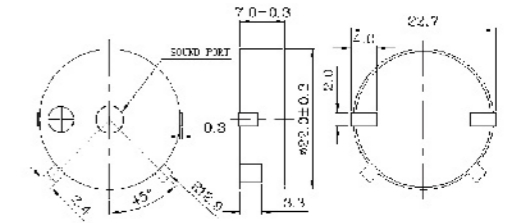
MLT-1575



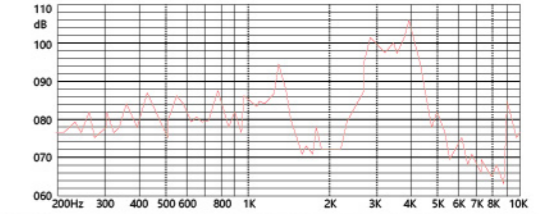
| Item | Unit | MLT-1575 |
|-------------------------|------|-------------------|
| Oscillation Frequency | Hz | 4000 |
| Operating Voltage | Vo-p | 3~20 |
| Rated Voltage | Vo-p | 5 |
| Current Consumption | mA | MAX. 5 |
| Sound Pressure Level | dB | MIN. 80 |
| Capacitance at 100Hz 1v | pF | 15000±30% |
| Dimension | mm | 14.8x 14.8 x H7.5 |
| Weight(MAX) | gram | 2.0 |



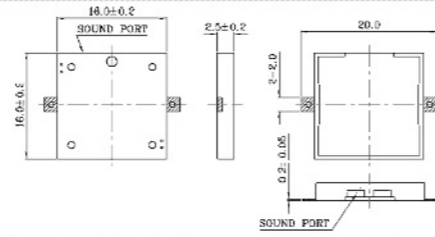
MLT-2270



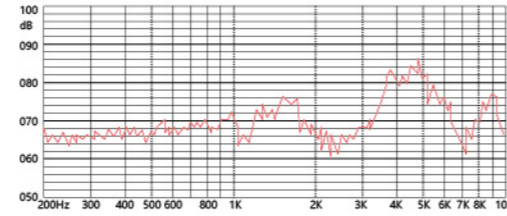
| Item | Unit | MLT-2270 |
|-------------------------|------|-----------|
| Oscillation Frequency | Hz | 4000 |
| Operating Voltage | Vo-p | 1 ~ 30 |
| Rated Voltage | Vo-p | 12 |
| Current Consumption | mA | MAX. 12 |
| Sound Pressure Level | dB | MIN. 90 |
| Capacitance at 100Hz 1v | pF | 19000±30% |
| Dimension | mm | 22x H7 |
| Weight(MAX) | gram | 2.6 |



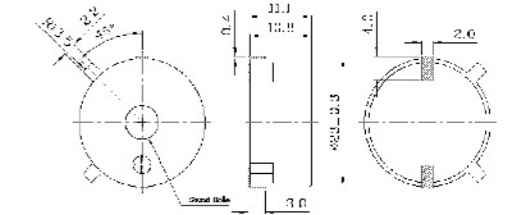
MLT-1625



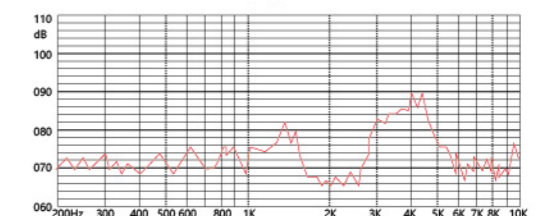
| Item | Unit | MLT-1625 |
|-------------------------|------|---------------|
| Oscillation Frequency | Hz | 4000 |
| Operating Voltage | Vo-p | 1 ~ 25 |
| Rated Voltage | Vo-p | 3 |
| Current Consumption | mA | MAX. 3 |
| Sound Pressure Level | dB | MIN. 70 |
| Capacitance at 100Hz 1v | pF | 16000±30% |
| Dimension | mm | 16x 16 x H2.5 |
| Weight(MAX) | gram | 1.0 |



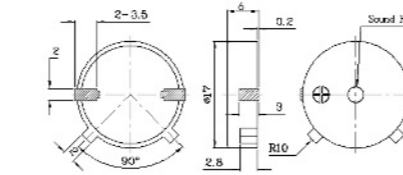
MLT-2311



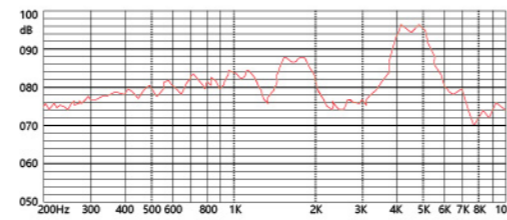
| Item | Unit | MLT-2311 |
|-------------------------|------|-----------|
| Oscillation Frequency | Hz | 4000 |
| Operating Voltage | Vo-p | 1 ~ 30 |
| Rated Voltage | Vo-p | 9 |
| Current Consumption | mA | MAX. 9 |
| Sound Pressure Level | dB | MIN. 100 |
| Capacitance at 100Hz 1v | pF | 19000±30% |
| Dimension | mm | 23x H11 |
| Weight(MAX) | gram | 3.0 |



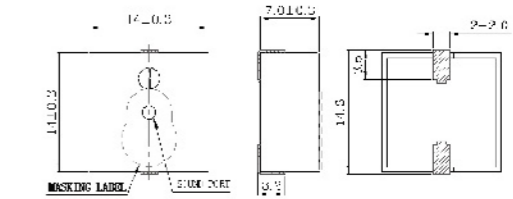
MLT-1760



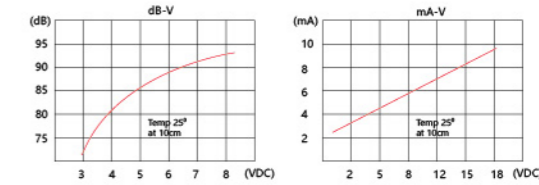
| Item | Unit | MLT-1760 |
|-------------------------|------|-----------|
| Oscillation Frequency | Hz | 4000 |
| Operating Voltage | Vo-p | 1 ~ 30 |
| Rated Voltage | Vo-p | 12 |
| Current Consumption | mA | MAX. 12 |
| Sound Pressure Level | dB | MIN. 90 |
| Capacitance at 100Hz 1v | pF | 15000±30% |
| Dimension | mm | 17 x H6 |
| Weight(MAX) | gram | 2.0 |



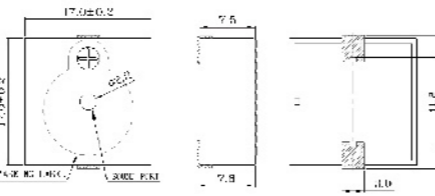
MLT-1470B



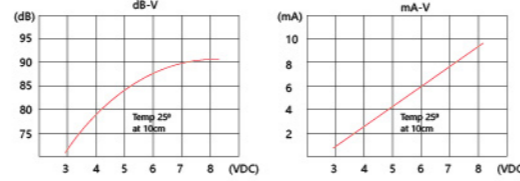
| Item | Unit | MLT-1470B |
|-----------------------|------|--------------|
| Oscillation Frequency | Hz | 4000 |
| Operating Voltage | VDC | 3 ~ 16 |
| Rated Voltage | VDC | 12 |
| Current Consumption | mA | MAX. 8 |
| Sound Pressure Level | dB | MIN. 83 |
| Tone/Pulse Rate | | Constant |
| Dimension | mm | 14 x 14 x H7 |
| Weight(MAX) | gram | 2.0 |



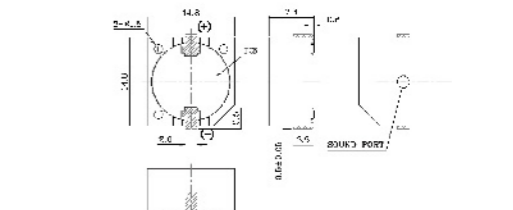
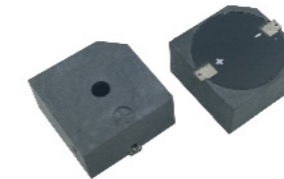
MLT-1780



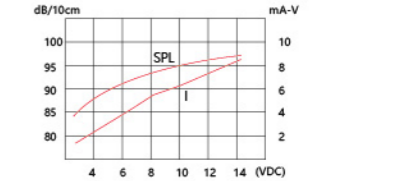
| Item | Unit | MLT-1780 |
|-----------------------|------|----------------|
| Oscillation Frequency | Hz | 4000 |
| Operating Voltage | VDC | 3 ~ 20 |
| Rated Voltage | VDC | 12 |
| Current Consumption | mA | MAX. 8 |
| Sound Pressure Level | dB | MIN. 80 |
| Dimension | mm | 17 x 17 x H7.5 |
| Weight(MAX) | gram | 2.6 |



MLT-1580B



| Item | Unit | MLT-1580B |
|-----------------------|------|--------------------|
| Oscillation Frequency | Hz | 4000 |
| Operating Voltage | VDC | 3 ~ 16 |
| Rated Voltage | VDC | 5 |
| Current Consumption | mA | MAX. 100 |
| Sound Pressure Level | dB | MIN. 80 |
| Tone/Pulse Rate | | Constant |
| Dimension | mm | 14.9 x 14.9 x H7.7 |
| Weight(MAX) | gram | 1.6 |

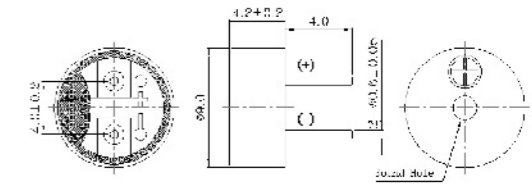
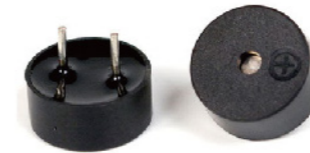


Electro-Magnetic Buzzer

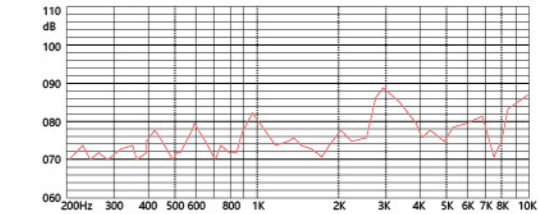
电磁式蜂鸣器
Electro-Magnetic Buzzer



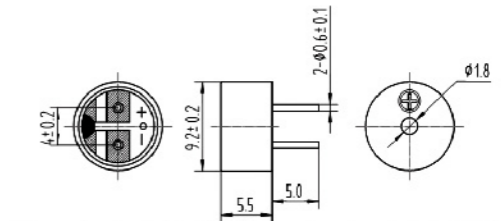
QMB-09A



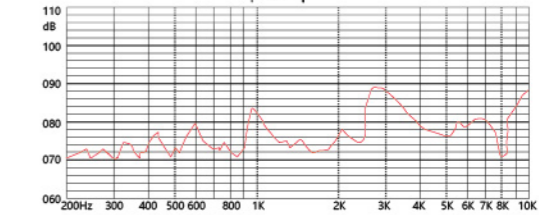
| Item | Unit | QMB-09A |
|-----------------------|----------|----------------------|
| Oscillation Frequency | Hz | 2700 |
| Operating Voltage | Vo-p | 2 ~ 4 |
| Rated Voltage | Vo-p | 3 |
| Current Consumption | mA | MAX. 80 |
| Sound Pressure Level | dB | MIN. 85 |
| Coil Resistance | Ω | 16±3 |
| Dimension | mm | $\Phi 9 \times H4.2$ |
| Weight(MAX) | gram | 0.8 |



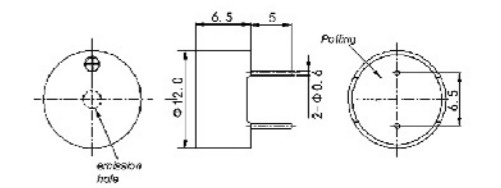
QMB-09B



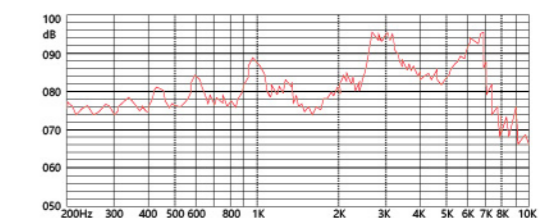
| Item | Unit | QMB-09B |
|-----------------------|----------|----------------------|
| Oscillation Frequency | Hz | 2700 |
| Operating Voltage | Vo-p | 4 ~ 7 |
| Rated Voltage | Vo-p | 5 |
| Current Consumption | mA | MAX. 80 |
| Sound Pressure Level | dB | MIN. 85 |
| Coil Resistance | Ω | 42±5 |
| Dimension | mm | $\Phi 9 \times H5.5$ |
| Weight(MAX) | gram | 0.8 |



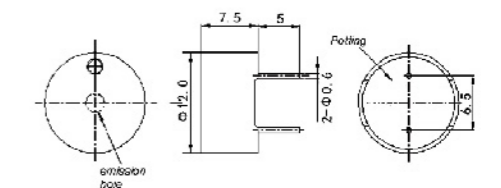
HN-1265



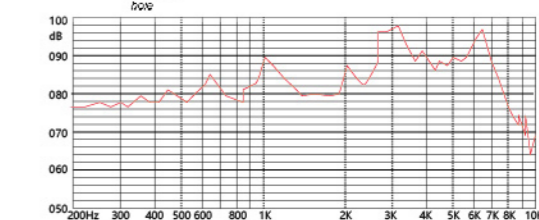
| Item | Unit | HN-1265 |
|-----------------------|----------|-----------------------|
| Oscillation Frequency | Hz | 2000 |
| Operating Voltage | Vo-p | 3 ~ 6 |
| Rated Voltage | Vo-p | 5 |
| Current Consumption | mA | MAX. 70 |
| Sound Pressure Level | dB | MIN. 80 |
| Tone/Pulse Rate | Ω | 42 |
| Dimension | mm | $\Phi 12 \times H6.5$ |
| Weight(MAX) | gram | 2.0 |



HN-1275

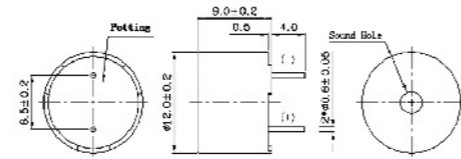


| Item | Unit | HN-1275 |
|-----------------------|----------|-----------------------|
| Oscillation Frequency | Hz | 2000 |
| Operating Voltage | Vo-p | 2 ~ 5 |
| Rated Voltage | Vo-p | 3 |
| Current Consumption | mA | MAX. 70 |
| Sound Pressure Level | dB | MIN. 80 |
| Tone/Pulse Rate | Ω | 16±3 |
| Dimension | mm | $\Phi 12 \times H7.5$ |
| Weight(MAX) | gram | 2.0 |

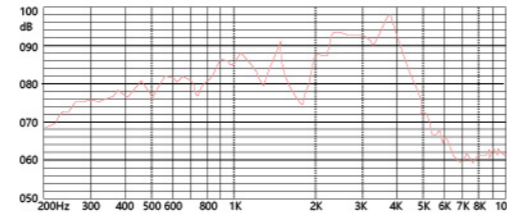


电磁式蜂鸣器
Electro-Magnetic Buzzer

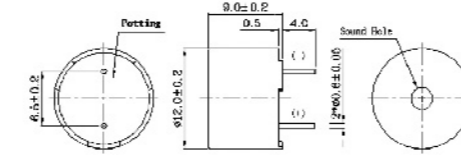
HN-1201



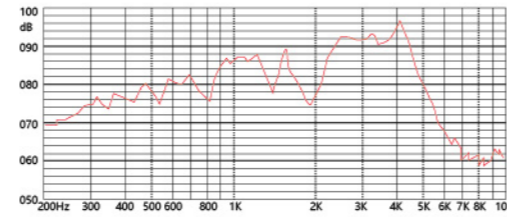
| Item | Unit | HN-1201 |
|-----------------------|------|-------------|
| Oscillation Frequency | KHz | 2.0/2.4/4.0 |
| Operating Voltage | Vo-p | 2 ~ 5 |
| Rated Voltage | Vo-p | 3 |
| Current Consumption | mA | MAX. 40 |
| Sound Pressure Level | dB | MIN. 80 |
| Coil Resistance | Ω | 16±3 |
| Dimension | mm | Φ12 x H9.0 |
| Weight(MAX) | gram | 2.0 |



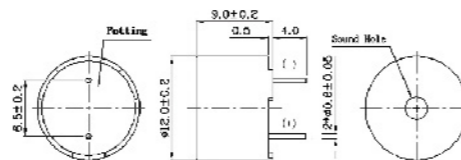
HN-1206



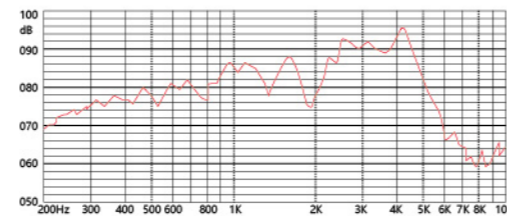
| Item | Unit | HN-1206 |
|-----------------------|------|-----------------|
| Oscillation Frequency | KHz | 2.0 / 2.4 / 4.0 |
| Operating Voltage | Vo-p | 4 ~ 7 |
| Rated Voltage | Vo-p | 5 |
| Current Consumption | mA | MAX. 50 |
| Sound Pressure Level | dB | MIN. 85 |
| Coil Resistance | Ω | 42±5 |
| Dimension | mm | Φ12 x H9.0 |
| Weight(MAX) | gram | 2.0 |



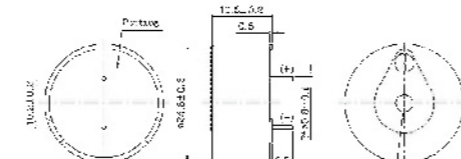
HN-1212



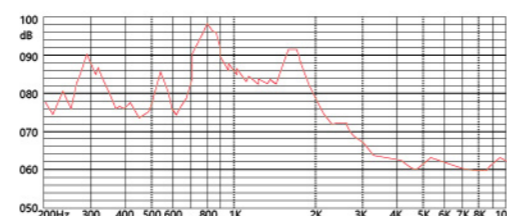
| Item | Unit | HN-1212 |
|-----------------------|------|-----------------|
| Oscillation Frequency | KHz | 2.0 / 2.4 / 4.0 |
| Operating Voltage | Vo-p | 8 ~ 15 |
| Rated Voltage | Vo-p | 12 |
| Current Consumption | mA | MAX. 50 |
| Sound Pressure Level | dB | MIN. 85 |
| Tone/Pulse Rate | Ω | 140±5 |
| Dimension | mm | Φ12 x H9.0 |
| Weight(MAX) | gram | 2.0 |



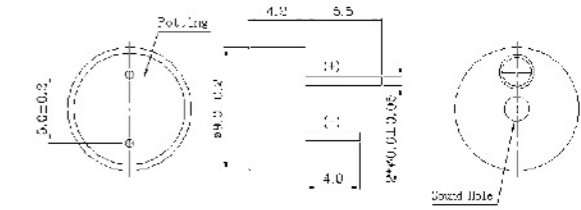
HNR-2512



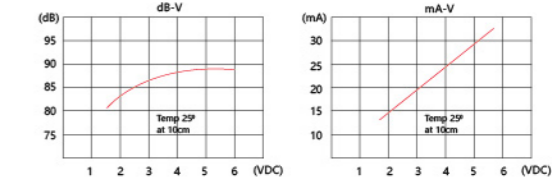
| Item | Unit | HNR-2512 |
|-----------------------|------|-------------|
| Oscillation Frequency | Hz | 1000 |
| Operating Voltage | Vo-p | 6 ~ 16 |
| Rated Voltage | Vo-p | 12 |
| Current Consumption | mA | MAX. 55 |
| Sound Pressure Level | dB | MIN. 90 |
| Coil Resistance | Ω | 115±15 |
| Dimension | mm | Φ25 x H12.5 |
| Weight(MAX) | gram | 9.0 |



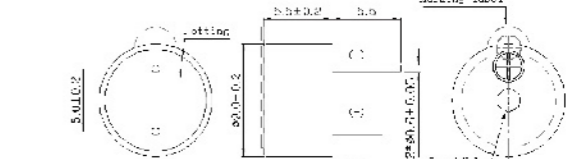
HNT9042 3V/5V/12V



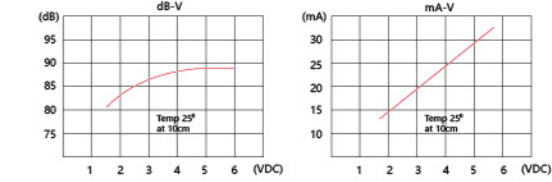
| Item | Unit | HNT9042 3V/5V/12V |
|-----------------------|------|-------------------|
| Oscillation Frequency | Hz | 2700 |
| Operating Voltage | VDC | 4 ~ 7 |
| Rated Voltage | VDC | 5 |
| Current Consumption | mA | MAX. 30 |
| Sound Pressure Level | dB | MIN. 82 |
| Tone/Pulse Rate | | Constant |
| Dimension | mm | Φ9 x H4.2 |
| Weight(MAX) | gram | 1.0 |



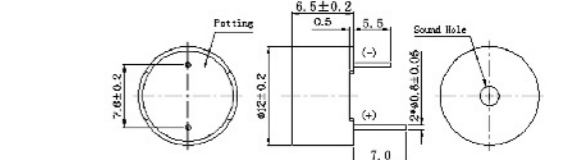
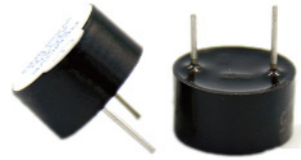
HNB09 A03/A05/A12



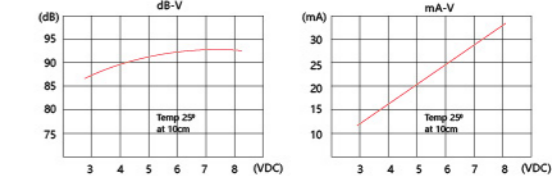
| Item | Unit | HNB09 A03/A05/A12 |
|-----------------------|------|-------------------|
| Oscillation Frequency | Hz | 2700 |
| Operating Voltage | VDC | 2 ~ 5 |
| Rated Voltage | VDC | 3 |
| Current Consumption | mA | MAX. 30 |
| Sound Pressure Level | dB | MIN. 83 |
| Tone/Pulse Rate | | Constant |
| Dimension | mm | Φ9 x H5.5 |
| Weight(MAX) | gram | 2.0 |



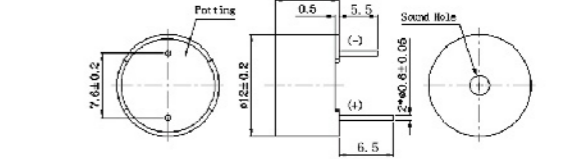
HMB1265 3V/5V/12V



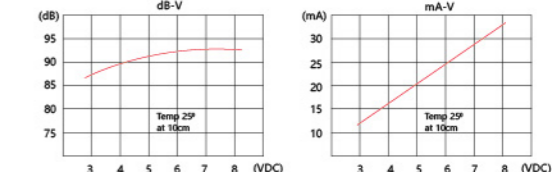
| Item | Unit | HMB-1265 3V/5V/12V |
|-----------------------|------|--------------------|
| Oscillation Frequency | Hz | 2700 |
| Operating Voltage | VDC | 4 ~ 7 |
| Rated Voltage | VDC | 5 |
| Current Consumption | mA | MAX. 30 |
| Sound Pressure Level | dB | MIN. 85 |
| Tone/Pulse Rate | | Constant |
| Dimension | mm | Φ12 x H6.5 |
| Weight(MAX) | gram | 2.0 |



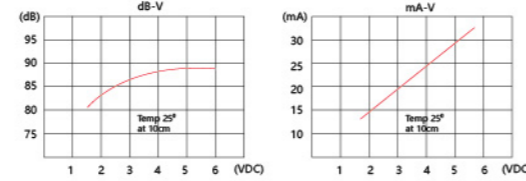
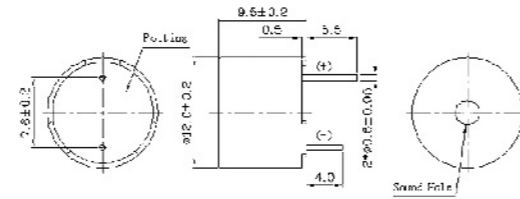
HMB1275 3V/5V/12V



| Item | Unit | HMB-1275 3V/5V/12V |
|-----------------------|------|--------------------|
| Oscillation Frequency | Hz | 2700 |
| Operating Voltage | VDC | 4 ~ 7 |
| Rated Voltage | VDC | 5 |
| Current Consumption | mA | MAX. 30 |
| Sound Pressure Level | dB | MIN. 85 |
| Tone/Pulse Rate | | Constant |
| Dimension | mm | Φ12 x H7.5 |
| Weight(MAX) | gram | 2.0 |

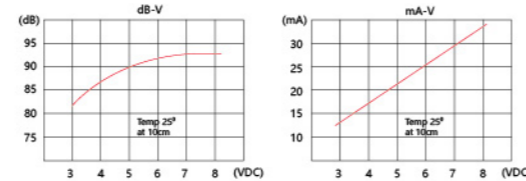
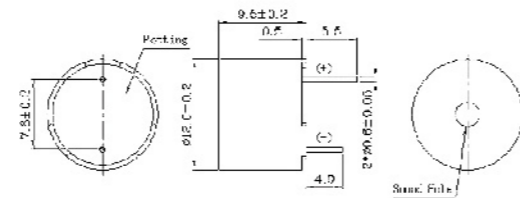


TMB12A03



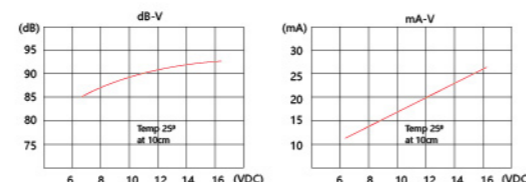
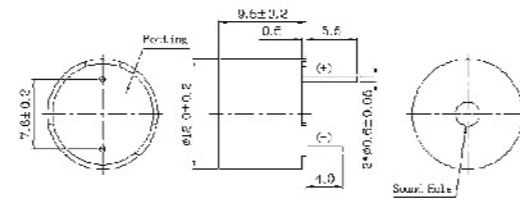
| Item | Unit | TMB12A03 |
|-----------------------|------|------------|
| Oscillation Frequency | Hz | 2400 |
| Operating Voltage | VDC | 1.5 ~ 4 |
| Rated Voltage | VDC | 3 |
| Current Consumption | mA | MAX. 30 |
| Sound Pressure Level | dB | MIN. 85 |
| Tone/Pulse Rate | | Constant |
| Dimension | mm | Φ12 x H9.5 |
| Weight(MAX) | gram | 2.0 |

TMB12A05



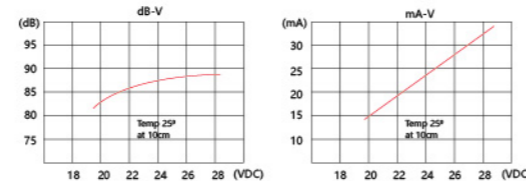
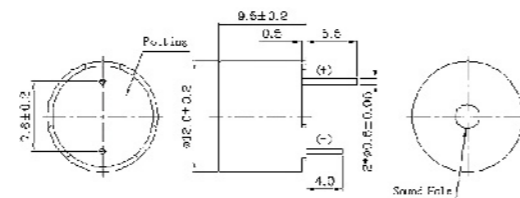
| Item | Unit | TMB12A05 |
|-----------------------|------|------------|
| Oscillation Frequency | Hz | 2400 |
| Operating Voltage | VDC | 3 ~ 8 |
| Rated Voltage | VDC | 5 |
| Current Consumption | mA | MAX. 30 |
| Sound Pressure Level | dB | MIN. 85 |
| Tone/Pulse Rate | | Constant |
| Dimension | mm | Φ12 x H9.5 |
| Weight(MAX) | gram | 2.0 |

TMB12A12



| Item | Unit | TMB12A12 |
|-----------------------|------|------------|
| Oscillation Frequency | Hz | 2400 |
| Operating Voltage | VDC | 8 ~ 16 |
| Rated Voltage | VDC | 12 |
| Current Consumption | mA | MAX. 30 |
| Sound Pressure Level | dB | MIN. 87 |
| Tone/Pulse Rate | | Constant |
| Dimension | mm | Φ12 x H9.5 |
| Weight(MAX) | gram | 2.0 |

TMB12A24



| Item | Unit | TMB12A24 |
|-----------------------|------|------------|
| Oscillation Frequency | Hz | 2400 |
| Operating Voltage | VDC | 18 ~ 28 |
| Rated Voltage | VDC | 24 |
| Current Consumption | mA | MAX. 30 |
| Sound Pressure Level | dB | MIN. 90 |
| Tone/Pulse Rate | | Constant |
| Dimension | mm | Φ12 x H9.5 |
| Weight(MAX) | gram | 2.0 |

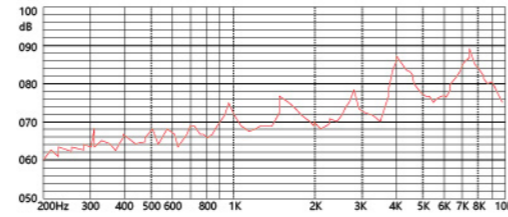
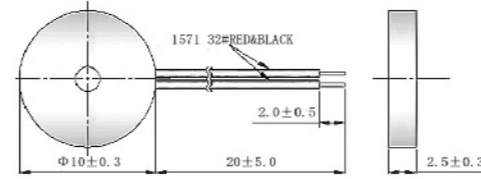
Piezo Buzzer



压电式蜂鸣器
Piezo Buzzer

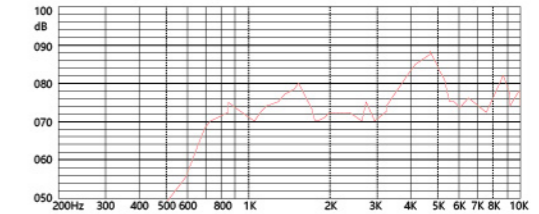
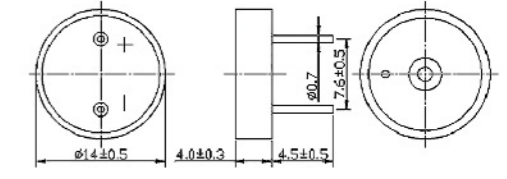
电磁式蜂鸣器
Electro-Magnetic Buzzer

HNR-1026



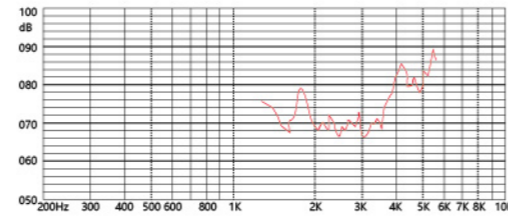
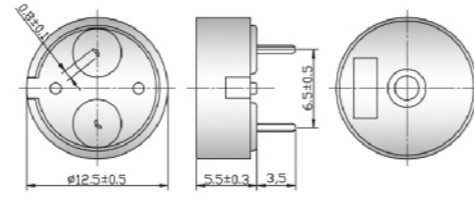
| Item | Unit | HNR-1026 |
|------------------------|------|-----------|
| Oscillation Frequency | Hz | 4100 |
| Operating Voltage | Vp-p | 1 ~ 25 |
| Rated Voltage | Vp-p | 5 |
| Current Consumption | mA | MAX. 3 |
| Sound Pressure Level | dB | MIN. 70 |
| Electrostatic Capacity | nF | 5.5±30% |
| Dimension | mm | 10 x H2.5 |
| Weight(MAX) | gram | 0.3 |

HNR-1404



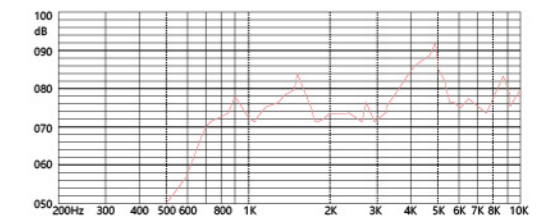
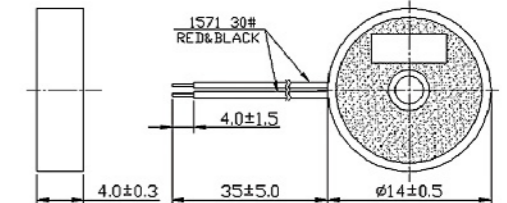
| Item | Unit | HNR-1404 |
|------------------------|------|------------|
| Oscillation Frequency | Hz | 4000 |
| Operating Voltage | Vp-p | 1~ 25 |
| Rated Voltage | Vp-p | 5 |
| Current Consumption | mA | MAX. 3 |
| Sound Pressure Level | dB | MIN. 75 |
| Electrostatic Capacity | pF | 12000±30% |
| Dimension | mm | Φ13.8 x H4 |
| Weight(MAX) | gram | 2.5 |

HNR-1255TP



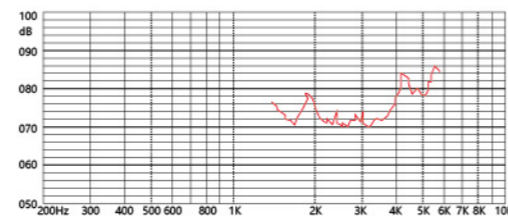
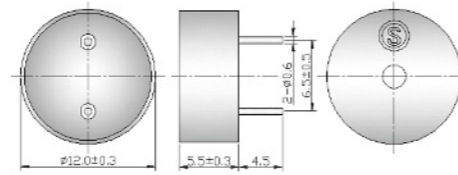
| Item | Unit | HNR-1255TP |
|------------------------|------|------------|
| Oscillation Frequency | Hz | 4000 |
| Operating Voltage | Vp-p | 1~ 30 |
| Rated Voltage | Vp-p | 5 |
| Current Consumption | mA | MAX. 3 |
| Sound Pressure Level | dB | MIN. 85 |
| Electrostatic Capacity | nF | 12±30% |
| Dimension | mm | Φ12 x H5.5 |
| Weight(MAX) | gram | 0.7 |

HNR-1404L



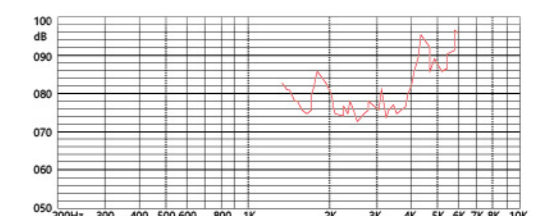
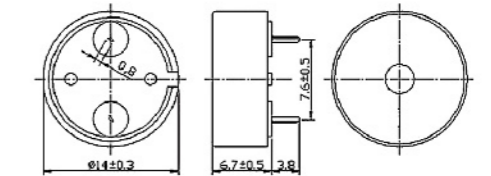
| Item | Unit | HNR-1404L |
|------------------------|------|-----------|
| Oscillation Frequency | Hz | 4000 |
| Operating Voltage | Vp-p | 1~ 30 |
| Rated Voltage | Vp-p | 5 |
| Current Consumption | mA | MAX. 5 |
| Sound Pressure Level | dB | MIN. 80 |
| Electrostatic Capacity | pF | 25000±30% |
| Dimension | mm | Φ14 x H4 |
| Weight(MAX) | gram | 2.0 |

HNR-1255



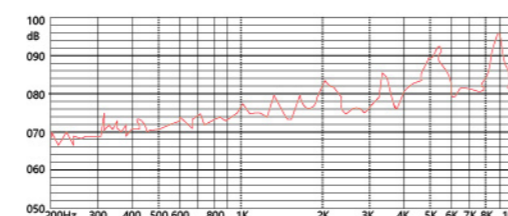
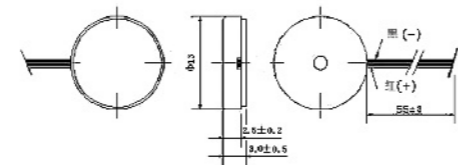
| Item | Unit | HNR-1255 |
|-----------------------|------|------------|
| Oscillation Frequency | Hz | 4000 |
| Operating Voltage | Vp-p | 1 ~ 30 |
| Rated Voltage | Vp-p | 5 |
| Current Consumption | mA | MAX. 3 |
| Sound Pressure Level | dB | MIN. 85 |
| Tone/Pulse Rate | nF | 12±30% |
| Dimension | mm | Φ12 x H5.5 |
| Weight(MAX) | gram | 0.6 |

HNR-1407TP



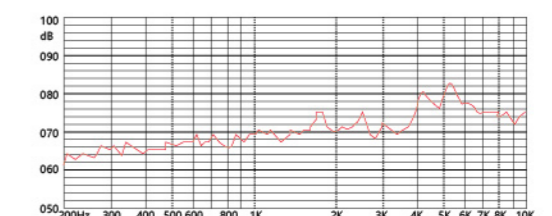
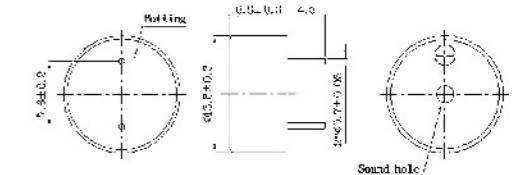
| Item | Unit | HNR-1407TP |
|-----------------------|------|-------------|
| Oscillation Frequency | Hz | 4000 |
| Operating Voltage | Vp-p | 1 ~ 30 |
| Rated Voltage | Vp-p | 5 |
| Current Consumption | mA | MAX. 5 |
| Sound Pressure Level | dB | MIN. 85 |
| Tone/Pulse Rate | nF | 12±30% |
| Dimension | mm | Φ14 x H 7.0 |
| Weight(MAX) | gram | 2.5 |

HNR-1325



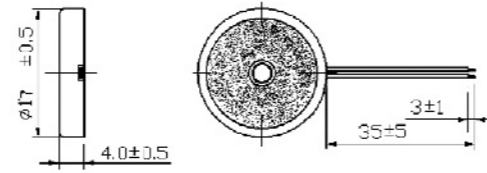
| Item | Unit | HNR-1325 |
|------------------------|------|------------|
| Oscillation Frequency | Hz | 4000 |
| Operating Voltage | Vp-p | 1~ 30 |
| Rated Voltage | Vp-p | 5 |
| Current Consumption | mA | MAX. 8 |
| Sound Pressure Level | dB | MIN. 75 |
| Electrostatic Capacity | pF | 25000±30% |
| Dimension | mm | Φ13 x H2.5 |
| Weight(MAX) | gram | 2.5 |

HNR-1407A

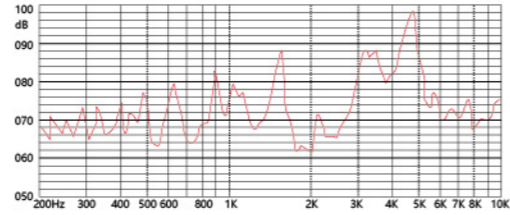


| Item | Unit | HNR-1407A |
|------------------------|------|--------------|
| Oscillation Frequency | Hz | 4000 |
| Operating Voltage | Vp-p | 1~ 25 |
| Rated Voltage | Vp-p | 5 |
| Current Consumption | mA | MAX. 3 |
| Sound Pressure Level | dB | MIN. 80 |
| Electrostatic Capacity | pF | 12000±30% |
| Dimension | mm | Φ13.8 x H6.8 |
| Weight(MAX) | gram | 2.5 |

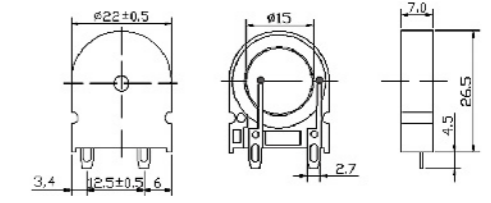
HNR-1704L



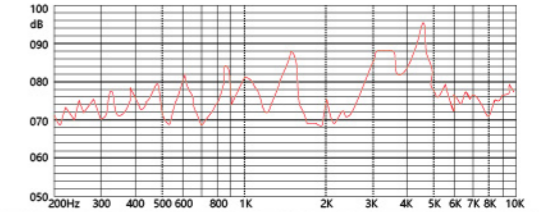
| Item | Unit | HNR-1704L |
|------------------------|------|------------|
| Oscillation Frequency | Hz | 4000 |
| Operating Voltage | Vp-p | 1~ 30 |
| Rated Voltage | Vp-p | 3 |
| Current Consumption | mA | MAX. 2 |
| Sound Pressure Level | dB | MIN. 78 |
| Electrostatic Capacity | pF | 11000±30% |
| Dimension | mm | Φ16.8 x H4 |
| Weight(MAX) | gram | 2.0 |



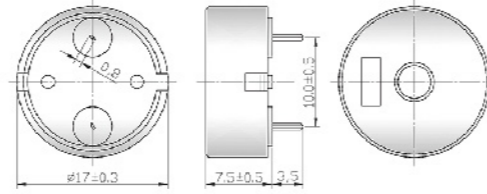
HNR-2207



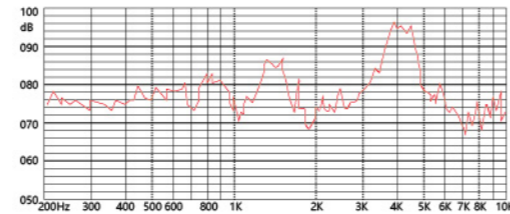
| Item | Unit | HNR-2207 |
|------------------------|------|-----------|
| Oscillation Frequency | Hz | 2000 |
| Operating Voltage | Vp-p | 1~ 30 |
| Rated Voltage | Vp-p | 3 |
| Current Consumption | mA | MAX. 3 |
| Sound Pressure Level | dB | MIN. 75 |
| Electrostatic Capacity | pF | 20000±30% |
| Dimension | mm | Φ22 x H7 |
| Weight(MAX) | gram | 4.0 |



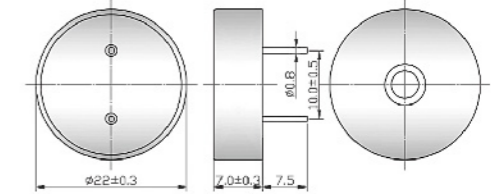
HNR-1707TP



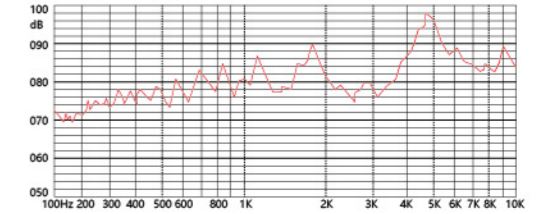
| Item | Unit | HNR-1707TP |
|------------------------|------|-------------|
| Oscillation Frequency | Hz | 4000 |
| Operating Voltage | Vp-p | 1~ 30 |
| Rated Voltage | Vp-p | 5 |
| Current Consumption | mA | MAX. 3 |
| Sound Pressure Level | dB | MIN. 80 |
| Electrostatic Capacity | nF | 16±30% |
| Dimension | mm | Φ17 x H 7.5 |
| Weight(MAX) | gram | 2.5 |



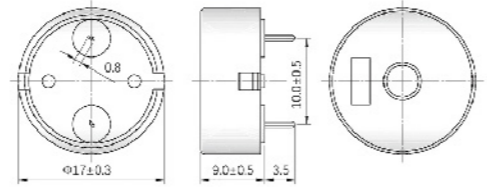
HNR-2207P



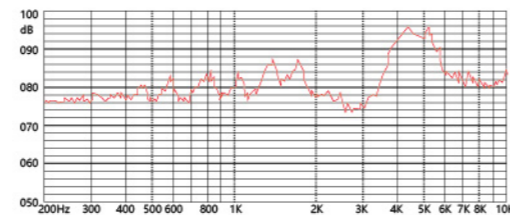
| Item | Unit | HNR-2207P |
|------------------------|------|-----------|
| Oscillation Frequency | Hz | 4000 |
| Operating Voltage | Vp-p | 1~ 30 |
| Rated Voltage | Vp-p | 9 |
| Current Consumption | mA | MAX. 3 |
| Sound Pressure Level | dB | MIN. 85 |
| Electrostatic Capacity | pF | 15000±30% |
| Dimension | mm | Φ22 x H7 |
| Weight(MAX) | gram | 4.0 |



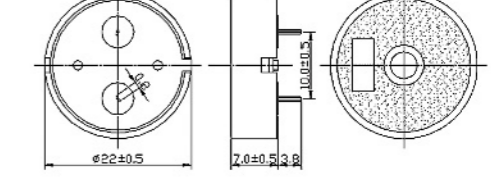
HNR-1709TP



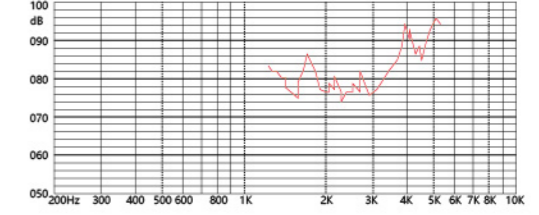
| Item | Unit | HNR-1709TP |
|-----------------------|------|-------------|
| Oscillation Frequency | Hz | 2000 |
| Operating Voltage | Vp-p | 1 ~ 30 |
| Rated Voltage | Vp-p | 5 |
| Current Consumption | mA | MAX. 5 |
| Sound Pressure Level | dB | MIN. 80 |
| Tone/Pulse Rate | nF | 23±30% |
| Dimension | mm | Φ17 x H 9.0 |
| Weight(MAX) | gram | 2.0 |



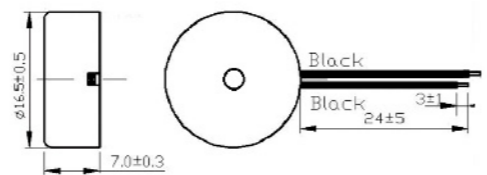
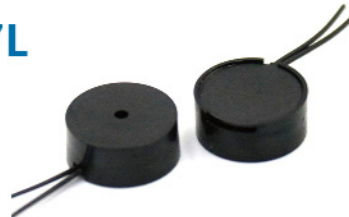
HNR-2207TP



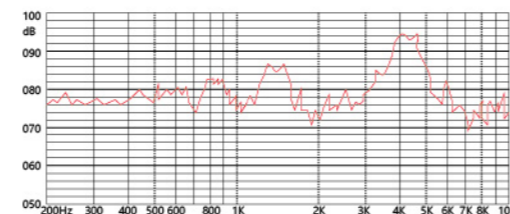
| Item | Unit | HNR-2207TP |
|-----------------------|------|-------------|
| Oscillation Frequency | Hz | 4000 |
| Operating Voltage | Vp-p | 1 ~ 25 |
| Rated Voltage | Vp-p | 5 |
| Current Consumption | mA | MAX. 5 |
| Sound Pressure Level | dB | MIN. 85 |
| Tone/Pulse Rate | nF | 28±30% |
| Dimension | mm | Φ22 x H 7.0 |
| Weight(MAX) | gram | 2.5 |



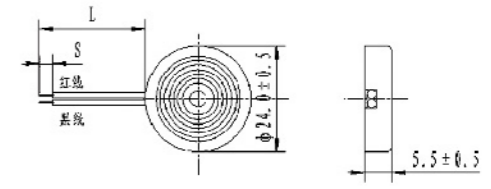
HNR-1707L



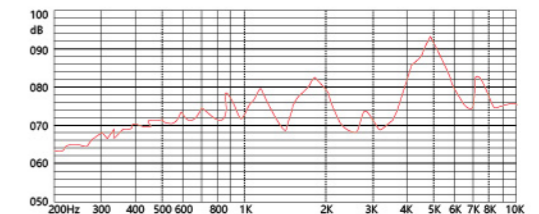
| Item | Unit | HNR-1707L |
|------------------------|------|---------------|
| Oscillation Frequency | Hz | 4000 |
| Operating Voltage | Vp-p | 1~ 20 |
| Rated Voltage | Vp-p | 5 |
| Current Consumption | mA | MAX. 5 |
| Sound Pressure Level | dB | MIN. 80 |
| Electrostatic Capacity | nF | 15±30% |
| Dimension | mm | Φ16.5 x H 7.0 |
| Weight(MAX) | gram | 2.5 |



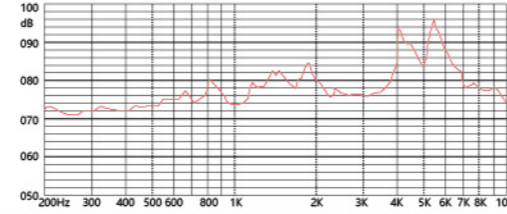
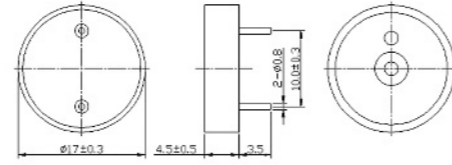
HNR-2455



| Item | Unit | HNR-2455 |
|------------------------|------|------------|
| Oscillation Frequency | Hz | 4100 |
| Operating Voltage | Vp-p | 1~ 30 |
| Rated Voltage | Vp-p | 10 |
| Current Consumption | mA | MAX. 5 |
| Sound Pressure Level | dB | MIN. 90 |
| Electrostatic Capacity | pF | 25000±30% |
| Dimension | mm | Φ24 x H4.5 |
| Weight(MAX) | gram | 5.0 |

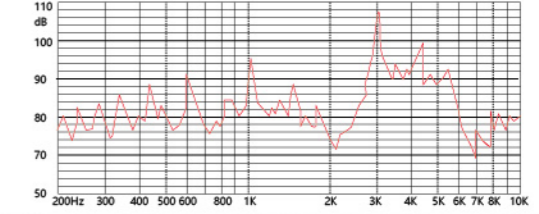
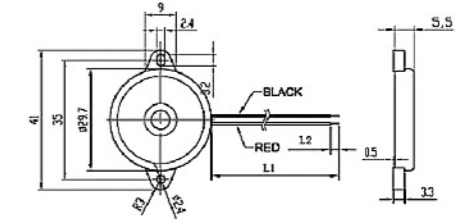


HNR-1745



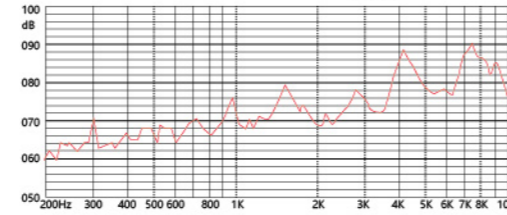
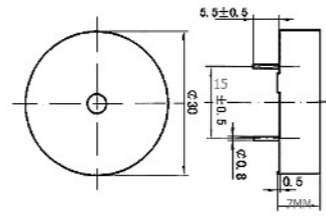
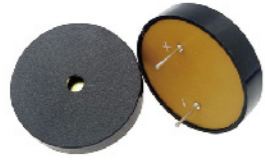
| Item | Unit | HNR-1745 |
|------------------------|------|-------------|
| Oscillation Frequency | Hz | 4000 |
| Operating Voltage | Vp-p | 1~ 30 |
| Rated Voltage | Vp-p | 5 |
| Current Consumption | mA | MAX. 5 |
| Sound Pressure Level | dB | MIN. 80 |
| Electrostatic Capacity | nF | 14±30% |
| Dimension | mm | Φ17 x H 4.5 |
| Weight(MAX) | gram | 1.0 |

HNR-3006



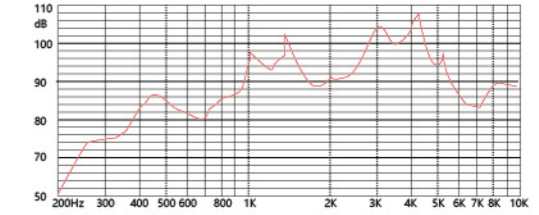
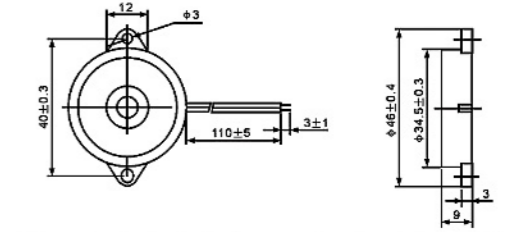
| Item | Unit | HNR-3006 |
|------------------------|------|-----------|
| Oscillation Frequency | Hz | 4000 |
| Operating Voltage | Vp-p | 1~ 30 |
| Rated Voltage | Vp-p | 3 |
| Current Consumption | mA | MAX. 5 |
| Sound Pressure Level | dB | MIN. 80 |
| Electrostatic Capacity | pF | 4000±30% |
| Dimension | mm | Φ30x H5.5 |
| Weight(MAX) | gram | 4.0 |

HNR-3007



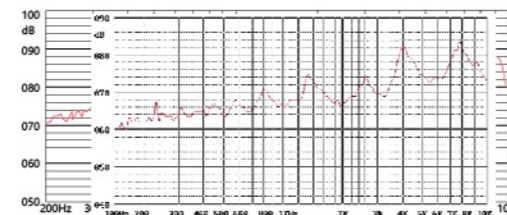
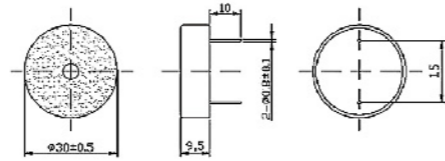
| Item | Unit | HNR-3007 |
|------------------------|------|------------|
| Oscillation Frequency | Hz | 4000 |
| Operating Voltage | Vp-p | 1~ 30 |
| Rated Voltage | Vp-p | 10 |
| Current Consumption | mA | MAX. 5 |
| Sound Pressure Level | dB | MIN. 90 |
| Electrostatic Capacity | pF | 30000±30% |
| Dimension | mm | Φ29.5 x H7 |
| Weight(MAX) | gram | 5.0 |

HNR-3409



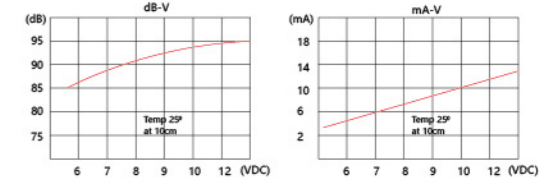
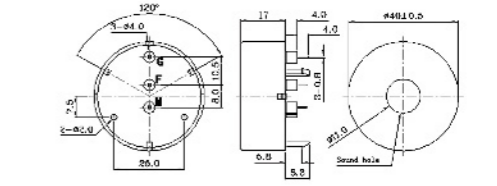
| Item | Unit | HNR-3409 |
|------------------------|------|--------------|
| Oscillation Frequency | Hz | 1100 |
| Operating Voltage | Vp-p | 1~ 30 |
| Rated Voltage | Vp-p | 9 |
| Current Consumption | mA | MAX. 3 |
| Sound Pressure Level | dB | MIN. 80 |
| Electrostatic Capacity | pF | 45000±30% |
| Dimension | mm | Φ34.5 x H9.2 |
| Weight(MAX) | gram | 5.0 |

HNR-3010



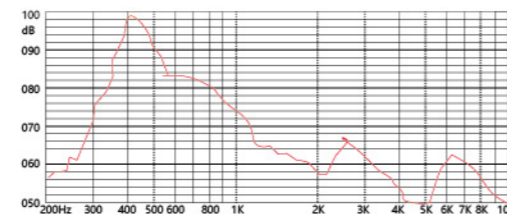
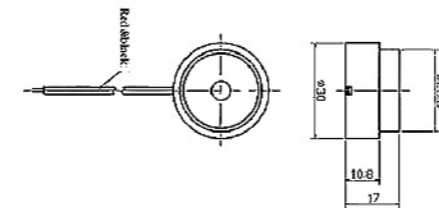
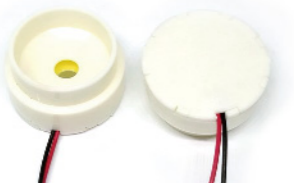
| Item | Unit | HNR-3010 |
|------------------------|------|-----------|
| Oscillation Frequency | Hz | 4000 |
| Operating Voltage | Vp-p | 1~ 30 |
| Rated Voltage | Vp-p | 12 |
| Current Consumption | mA | MAX. 5 |
| Sound Pressure Level | dB | MIN. 85 |
| Electrostatic Capacity | pF | 30000±30% |
| Dimension | mm | Φ30 x H10 |
| Weight(MAX) | gram | 5.0 |

HNR-3917



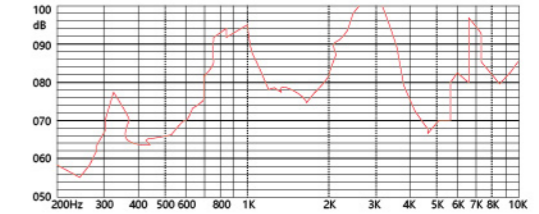
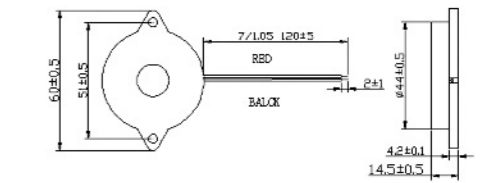
| Item | Unit | HNR-3917 |
|------------------------|------|-----------|
| Oscillation Frequency | Hz | 3400 |
| Operating Voltage | Vp-p | 4~ 15 |
| Rated Voltage | Vp-p | 9 |
| Current Consumption | mA | MAX. 15 |
| Sound Pressure Level | dB | MIN. 95 |
| Electrostatic Capacity | pF | 30000±30% |
| Dimension | mm | Φ39 x H17 |
| Weight(MAX) | gram | 11.0 |

HNR-3017



| Item | Unit | HNR-3017 |
|------------------------|------|-----------|
| Oscillation Frequency | Hz | 3600±500 |
| Operating Voltage | Vp-p | 6~ 28 |
| Rated Voltage | Vp-p | 9 |
| Current Consumption | mA | MAX. 10 |
| Sound Pressure Level | dB | MIN. 90 |
| Electrostatic Capacity | pF | 25000±30% |
| Dimension | mm | Φ30 x H17 |
| Weight(MAX) | gram | 3.0 |

HNR-4414

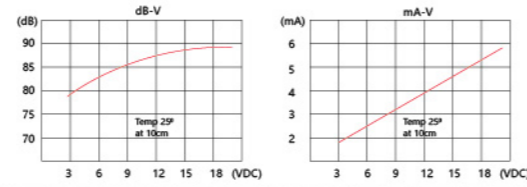
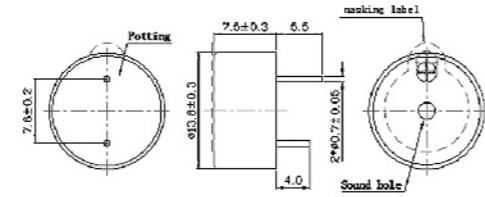


| Item | Unit | HNR-4414 |
|------------------------|------|-----------|
| Oscillation Frequency | Hz | 1000 |
| Operating Voltage | Vp-p | 1~ 30 |
| Rated Voltage | Vp-p | 12 |
| Current Consumption | mA | MAX. 5 |
| Sound Pressure Level | dB | MIN. 85 |
| Electrostatic Capacity | pF | 65000±30% |
| Dimension | mm | Φ44 x H14 |
| Weight(MAX) | gram | 8.0 |

HNR-1407B



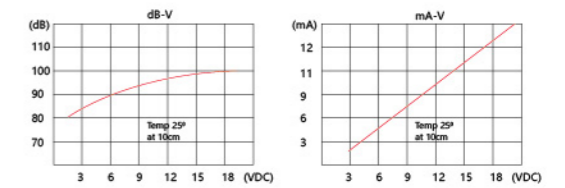
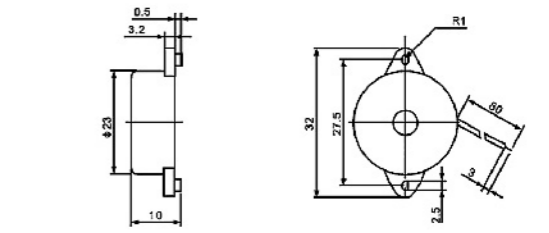
| Item | Unit | HNR-1407B |
|-----------------------|------|--------------|
| Oscillation Frequency | KHz | 4.1±0.5 |
| Operating Voltage | VDC | 6 ~ 15 |
| Rated Voltage | VDC | 12 |
| Current Consumption | mA | MAX. 16 |
| Sound Pressure Level | dB | MIN. 93 |
| Tone/Pulse Rate | | Constant |
| Dimension | mm | Φ13.8 x H7.5 |
| Weight(MAX) | gram | 4.0 |



HND-2310E



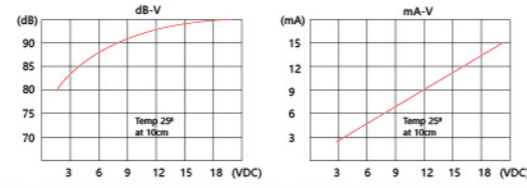
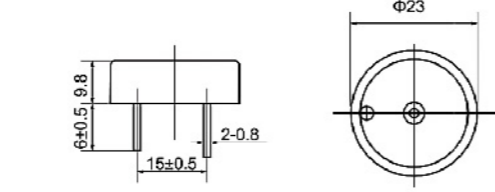
| Item | Unit | HND-2310E |
|-----------------------|------|-----------|
| Oscillation Frequency | KHz | 3.5±0.5 |
| Operating Voltage | VDC | 3 ~ 24 |
| Rated Voltage | VDC | 12 |
| Current Consumption | mA | MAX. 10 |
| Sound Pressure Level | dB | MIN. 85 |
| Tone/Pulse Rate | | Constant |
| Dimension | mm | Φ23 x H10 |
| Weight(MAX) | gram | 4.0 |



HNR-2310B



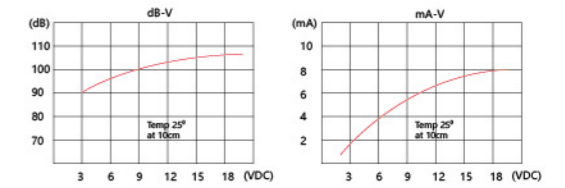
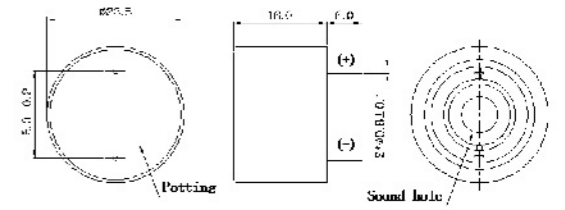
| Item | Unit | HNR-2310B |
|-----------------------|------|------------|
| Oscillation Frequency | KHz | 3.5±0.5 |
| Operating Voltage | VDC | 3 ~ 20 |
| Rated Voltage | VDC | 12 |
| Current Consumption | mA | MAX. 15 |
| Sound Pressure Level | dB | MIN. 90 |
| Tone/Pulse Rate | | Constant |
| Dimension | mm | Φ23 x H9.8 |
| Weight(MAX) | gram | |



HND-2316



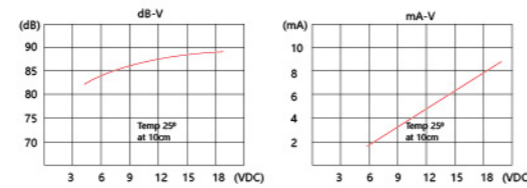
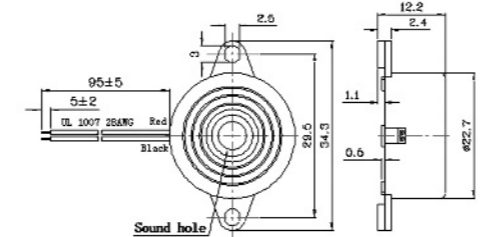
| Item | Unit | HND-2316H |
|-----------------------|------|-------------|
| Oscillation Frequency | KHz | 3.3±0.5 |
| Operating Voltage | VDC | 3 ~ 20 |
| Rated Voltage | VDC | 12 |
| Current Consumption | mA | MAX. 10 |
| Sound Pressure Level | dB | MIN. 90 |
| Tone/Pulse Rate | | Constant |
| Dimension | mm | Φ23.5 x H16 |
| Weight(MAX) | gram | 8.0 |



HNR-2312



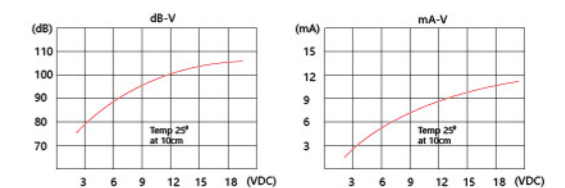
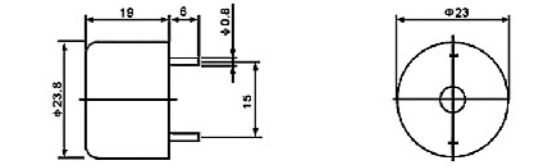
| Item | Unit | HNR-2312 |
|-----------------------|------|---------------|
| Oscillation Frequency | KHz | 3.0±0.5 |
| Operating Voltage | VDC | 3 ~ 20 |
| Rated Voltage | VDC | 12 |
| Current Consumption | mA | MAX. 8 |
| Sound Pressure Level | dB | MIN. 85 |
| Tone/Pulse Rate | | Constant |
| Dimension | mm | Φ22.7 x H12.2 |
| Weight(MAX) | gram | |



HND-2319



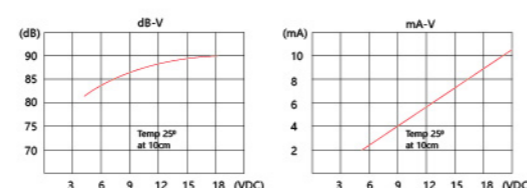
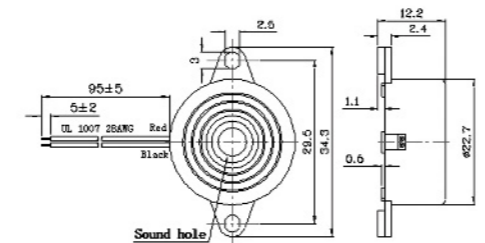
| Item | Unit | HND-2319 |
|-----------------------|------|-------------|
| Oscillation Frequency | KHz | 3.3±0.5 |
| Operating Voltage | VDC | 3 ~ 20 |
| Rated Voltage | VDC | 12 |
| Current Consumption | mA | MAX. 20 |
| Sound Pressure Level | dB | MIN. 95 |
| Tone/Pulse Rate | | Constant |
| Dimension | mm | Φ23.3 x H19 |
| Weight(MAX) | gram | 5.5 |



HNR-2312W



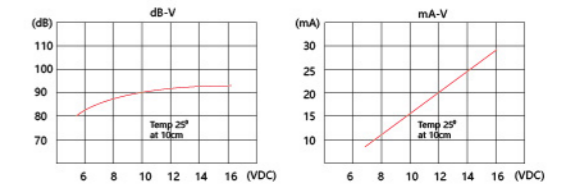
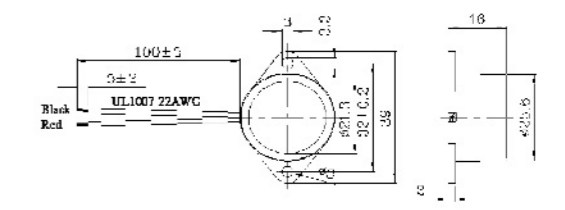
| Item | Unit | HNR-2312W |
|-----------------------|------|---------------|
| Oscillation Frequency | KHz | 3.0±0.5 |
| Operating Voltage | VDC | 3 ~ 20 |
| Rated Voltage | VDC | 12 |
| Current Consumption | mA | MAX. 8 |
| Sound Pressure Level | dB | MIN. 85 |
| Tone/Pulse Rate | | Fast Pulse |
| Dimension | mm | Φ22.7 x H12.2 |
| Weight(MAX) | gram | 8.0 |



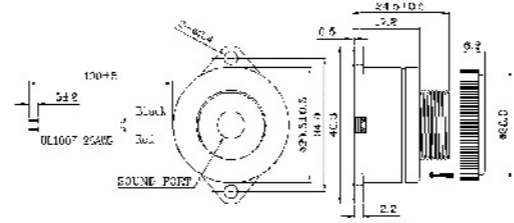
HND-2616



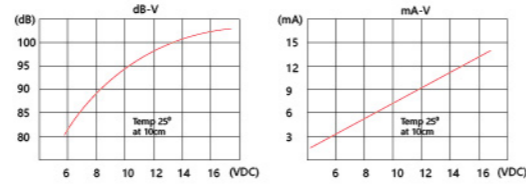
| Item | Unit | HND-2616 |
|-----------------------|------|-------------|
| Oscillation Frequency | KHz | 2.8±0.5 |
| Operating Voltage | VDC | 6 ~ 14 |
| Rated Voltage | VDC | 12 |
| Current Consumption | mA | MAX. 35 |
| Sound Pressure Level | dB | MIN. 85 |
| Tone/Pulse Rate | | Constant |
| Dimension | mm | Φ25.6 x H16 |
| Weight(MAX) | gram | 41.0 |



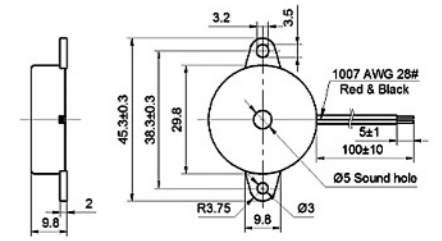
HND-2910



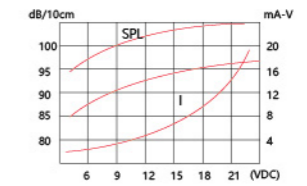
| Item | Unit | HND-2910 |
|-----------------------|------|------------------|
| Oscillation Frequency | KHz | 3.5±0.5 |
| Operating Voltage | VDC | 3 ~ 20 |
| Rated Voltage | VDC | 12 |
| Current Consumption | mA | MAX. 12 |
| Sound Pressure Level | dB | MIN. 100 |
| Tone/Pulse Rate | | Constant / Pulse |
| Dimension | mm | Φ29.5x H24.5 |
| Weight(MAX) | gram | 4.0 |



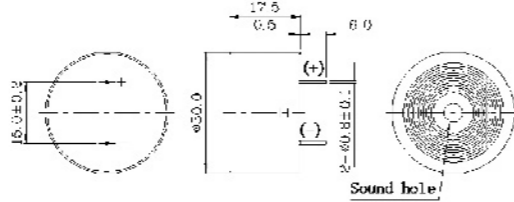
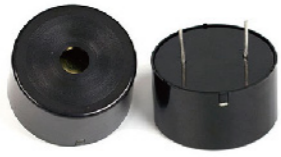
HND-3095



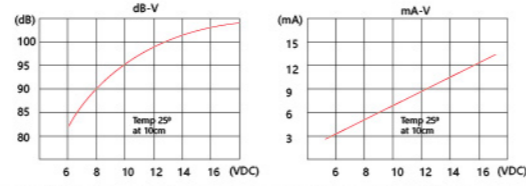
| Item | Unit | HND-3095 |
|-----------------------|------|-----------|
| Oscillation Frequency | KHz | 3.5±0.5 |
| Operating Voltage | VDC | 3 ~ 20 |
| Rated Voltage | VDC | 12 |
| Current Consumption | mA | MAX. 12 |
| Sound Pressure Level | dB | MIN. 95 |
| Tone/Pulse Rate | | Constant |
| Dimension | mm | Φ30x H9.5 |
| Weight(MAX) | gram | 6.0 |



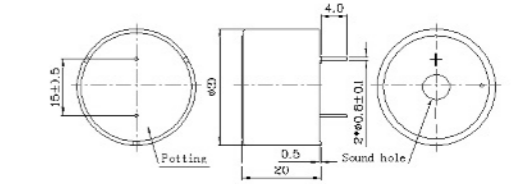
HND-3017



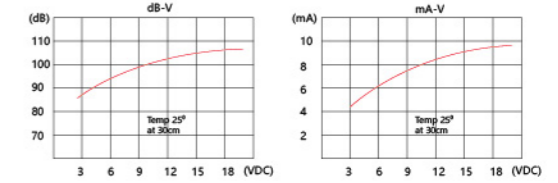
| Item | Unit | HND-3017 |
|-----------------------|------|------------|
| Oscillation Frequency | KHz | 3.5±0.5 |
| Operating Voltage | VDC | 3 ~ 28 |
| Rated Voltage | VDC | 12 |
| Current Consumption | mA | MAX. 15 |
| Sound Pressure Level | dB | MIN. 100 |
| Tone/Pulse Rate | | Constant |
| Dimension | mm | Φ30x H17.5 |
| Weight(MAX) | gram | 8.0 |



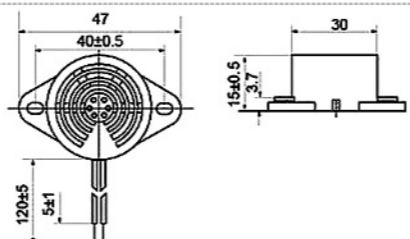
HND-3020



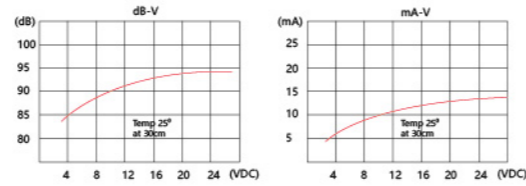
| Item | Unit | HND-3020 |
|-----------------------|------|----------|
| Oscillation Frequency | KHz | 3.5±0.5 |
| Operating Voltage | VDC | 3 ~ 20 |
| Rated Voltage | VDC | 12 |
| Current Consumption | mA | MAX. 15 |
| Sound Pressure Level | dB | MIN. 90 |
| Tone/Pulse Rate | | Constant |
| Dimension | mm | Φ30x H20 |
| Weight(MAX) | gram | 8.0 |



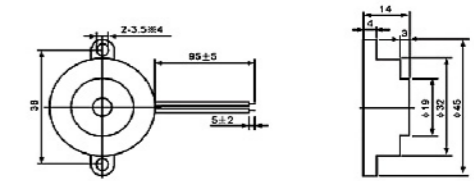
HND-3015A/3015B



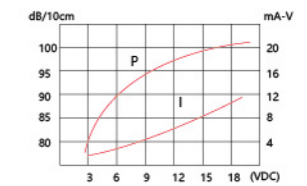
| Item | Unit | HND-3015A/3015B |
|-----------------------|------|------------------|
| Oscillation Frequency | KHz | 3.0±0.5 |
| Operating Voltage | VDC | 3 ~ 20 |
| Rated Voltage | VDC | 12 |
| Current Consumption | mA | MAX. 10 |
| Sound Pressure Level | dB | MIN. 80 |
| Tone/Pulse Rate | | Constant / Pulse |
| Dimension | mm | Φ30x H15 |
| Weight(MAX) | gram | 8.0 |



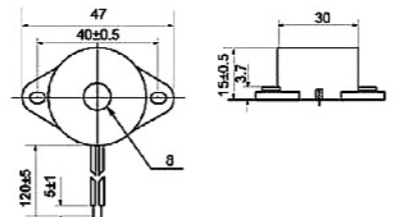
HND-3215



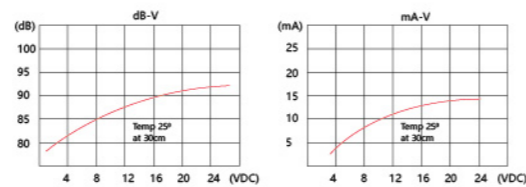
| Item | Unit | HND-3215 |
|-----------------------|------|----------|
| Oscillation Frequency | KHz | 3.9±0.5 |
| Operating Voltage | VDC | 3 ~ 20 |
| Rated Voltage | VDC | 12 |
| Current Consumption | mA | MAX. 12 |
| Sound Pressure Level | dB | MIN. 95 |
| Tone/Pulse Rate | | Constant |
| Dimension | mm | Φ32x H15 |
| Weight(MAX) | gram | 8.0 |



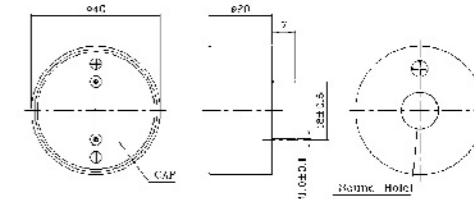
HND-3015D



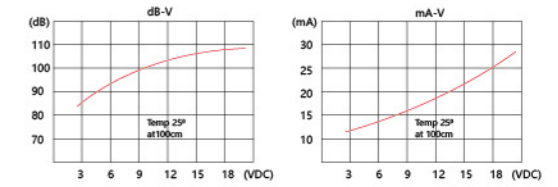
| Item | Unit | HND-3015D |
|-----------------------|------|-----------|
| Oscillation Frequency | KHz | 3.0±0.5 |
| Operating Voltage | VAC | 3 ~ 24 |
| Rated Voltage | VAC | 12 |
| Current Consumption | mA | MAX. 11 |
| Sound Pressure Level | dB | MIN. 85 |
| Tone/Pulse Rate | | Constant |
| Dimension | mm | Φ30x H15 |
| Weight(MAX) | gram | 8.0 |



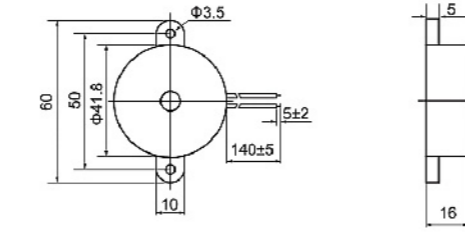
HND-4020



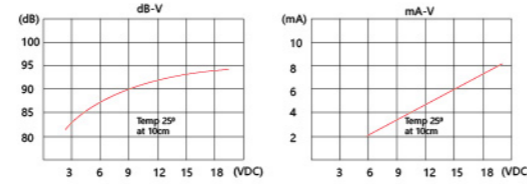
| Item | Unit | HND-4020 |
|-----------------------|------|----------|
| Oscillation Frequency | KHz | 2.8±0.5 |
| Operating Voltage | VDC | 3 ~ 20 |
| Rated Voltage | VDC | 9 |
| Current Consumption | mA | MAX. 50 |
| Sound Pressure Level | dB | MIN. 100 |
| Tone/Pulse Rate | | Constant |
| Dimension | mm | Φ40x H20 |
| Weight(MAX) | gram | 13.0 |



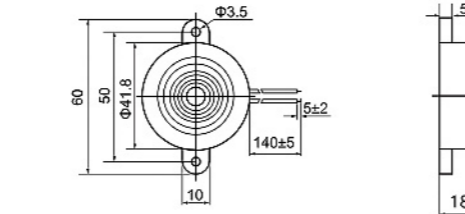
HND-4216



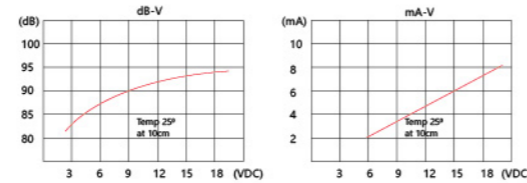
| Item | Unit | HND-4216 |
|-----------------------|------|------------------|
| Oscillation Frequency | KHz | 2.7±0.5 |
| Operating Voltage | VDC | 3 ~ 20 |
| Rated Voltage | VDC | 12 |
| Current Consumption | mA | MAX. 12 |
| Sound Pressure Level | dB | MIN. 100 |
| Tone/Pulse Rate | | Constant / Pulse |
| Dimension | mm | Φ42x H16 |
| Weight(MAX) | gram | 13.0 |



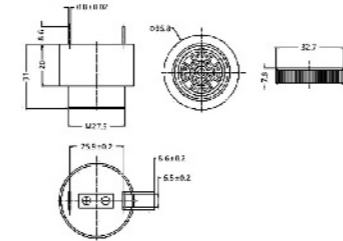
HND-4218



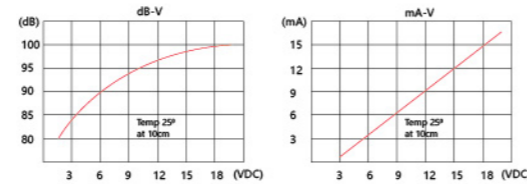
| Item | Unit | HND-4218 |
|-----------------------|------|----------|
| Oscillation Frequency | KHz | 2.9±0.5 |
| Operating Voltage | VDC | 3 ~ 20 |
| Rated Voltage | VDC | 12 |
| Current Consumption | mA | MAX. 150 |
| Sound Pressure Level | dB | MIN. 85 |
| Tone/Pulse Rate | | Siren |
| Dimension | mm | Φ42x H18 |
| Weight(MAX) | gram | 30.0 |



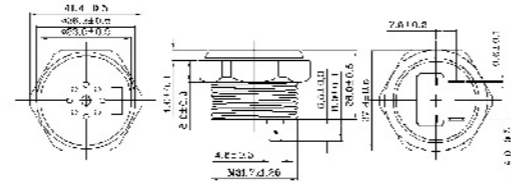
HND-3610



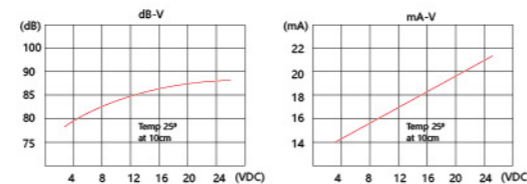
| Item | Unit | HND-3610 |
|-----------------------|------|------------------|
| Oscillation Frequency | KHz | 3.5±0.5 |
| Operating Voltage | VDC | 6 ~ 28 |
| Rated Voltage | VDC | 12 |
| Current Consumption | mA | MAX. 10 |
| Sound Pressure Level | dB | MIN. 90 |
| Tone/Pulse Rate | | Constant / Alarm |
| Dimension | mm | Φ36x H8 |
| Weight(MAX) | gram | 8.0 |



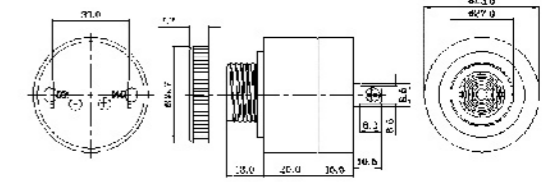
HND-3826



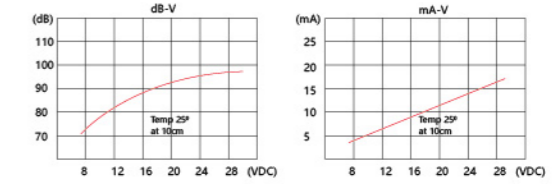
| Item | Unit | HND-3826 |
|-----------------------|------|----------|
| Oscillation Frequency | KHz | 3.0±0.5 |
| Operating Voltage | VDC | 6 ~ 28 |
| Rated Voltage | VDC | 12 |
| Current Consumption | mA | MAX. 18 |
| Sound Pressure Level | dB | MIN. 85 |
| Tone/Pulse Rate | | Constant |
| Dimension | mm | Φ38x H26 |
| Weight(MAX) | gram | 30.0 |



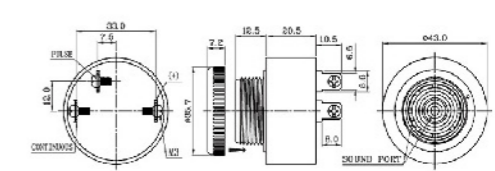
HND-4310



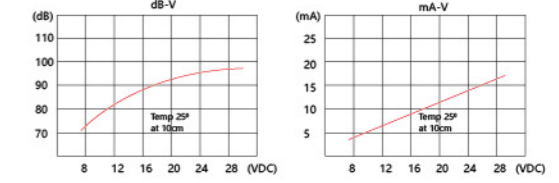
| Item | Unit | HND-4310 |
|-----------------------|------|------------------|
| Oscillation Frequency | KHz | 2.9±0.5 |
| Operating Voltage | VDC | 6 ~ 28 |
| Rated Voltage | VDC | 12 |
| Current Consumption | mA | MAX. 20 |
| Sound Pressure Level | dB | MIN. 85 |
| Tone/Pulse Rate | | Constant / Pulse |
| Dimension | mm | Φ43x H16 |
| Weight(MAX) | gram | 40.0 |



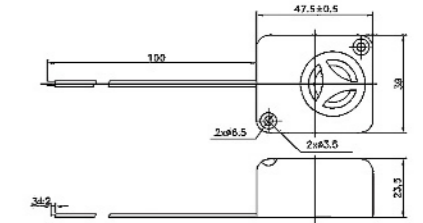
HND-4310 380X



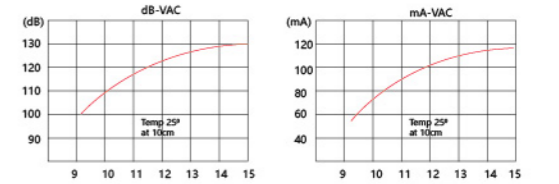
| Item | Unit | HND-4310 380X |
|-----------------------|------|------------------|
| Oscillation Frequency | KHz | 2.9±0.5 |
| Operating Voltage | VDC | 6 ~ 28 |
| Rated Voltage | VDC | 12 |
| Current Consumption | mA | MAX. 20 |
| Sound Pressure Level | dB | MIN. 85 |
| Tone/Pulse Rate | | Constant + Pulse |
| Dimension | mm | Φ43x H18 |
| Weight(MAX) | gram | 30.0 |



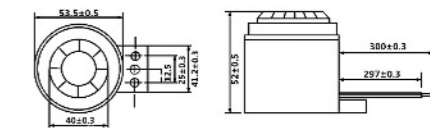
HND-4839



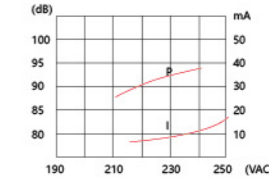
| Item | Unit | HND-4839 |
|-----------------------|------|--------------|
| Oscillation Frequency | KHz | 2.9±0.5 |
| Operating Voltage | VDC | 9 ~ 15 |
| Rated Voltage | VDC | 12 |
| Current Consumption | mA | MAX. 120 |
| Sound Pressure Level | dB | MIN. 105 |
| Tone/Pulse Rate | | fast pulse |
| Dimension | mm | 47.5*39*23.5 |
| Weight(MAX) | gram | 30.0 |



BJ *12VDC/24VDC/220VAC



| Item | Unit | BJ |
|-----------------------|------|----------|
| Oscillation Frequency | KHz | 3.5±0.5 |
| Operating Voltage | VDC | 8 ~ 15 |
| Rated Voltage | VDC | 12 |
| Current Consumption | mA | MAX. 110 |
| Sound Pressure Level | dB | MIN. 110 |
| Tone/Pulse Rate | | Siren |
| Dimension | mm | Φ54x H53 |
| Weight(MAX) | gram | 50.0 |



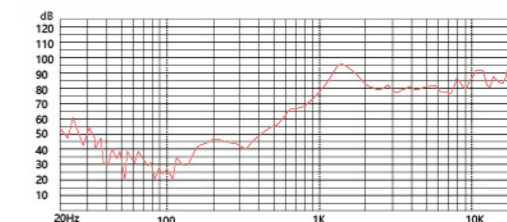
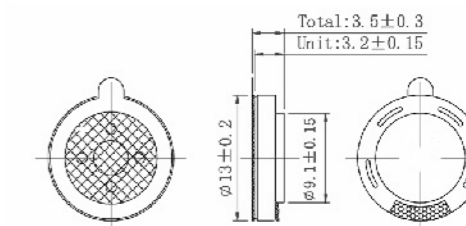
Speaker



HS13MS0810 -H3.5



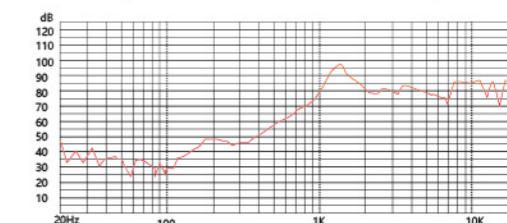
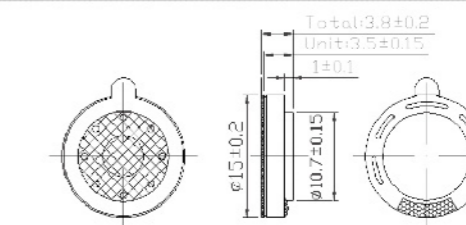
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 1400Hz±20% | Without Baffle |
| Output S.P.L. | 82±3dB | At 0.1m 0.1w 1.0,1.5,2.0,3.0KHz Average |
| Rated Power | 1.0 W | at 2.83 Vrms |
| Max Power | 1.5 W | at 3.46 Vrms |
| Frequency Range | | FO----6kHz |
| Dimension | | Φ13 x H3.5 mm |
| Weight (MAX) | | 1 |



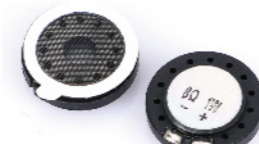
HS15MS0810 -H4.0



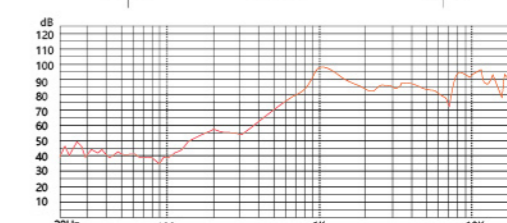
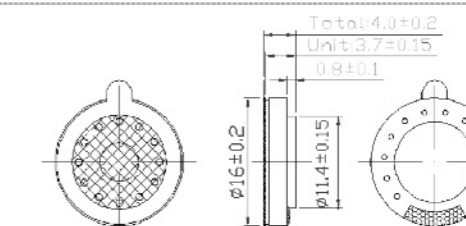
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 1200Hz±20% | Without Baffle |
| Output S.P.L. | 82±3dB | At 0.1m 0.1w 1.0,1.5,2.0,3.0KHz Average |
| Rated Power | 1.0 W | at 2.83 Vrms |
| Max Power | 1.5 W | at 3.46 Vrms |
| Frequency Range | | FO----6kHz |
| Dimension | | Φ15 x H4.0 mm |
| Weight (MAX) | | 1.3 |



HS16MS0810 -H4.0



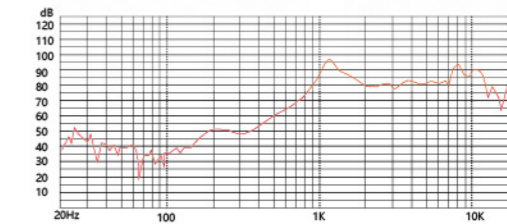
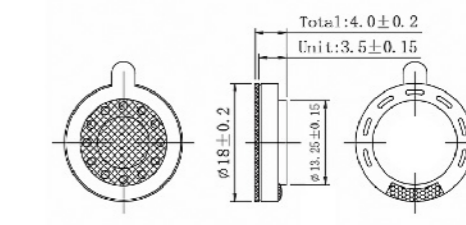
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 1000Hz±20% | Without Baffle |
| Output S.P.L. | 87±3dB | At 0.1m 0.1w 1.0,1.5,2.0,3.0KHz Average |
| Rated Power | 1.0 W | at 2.83 Vrms |
| Max Power | 1.5 W | at 3.46 Vrms |
| Frequency Range | | FO----6kHz |
| Dimension | | Φ16 x H4.0 mm |
| Weight (MAX) | | 1.5 |



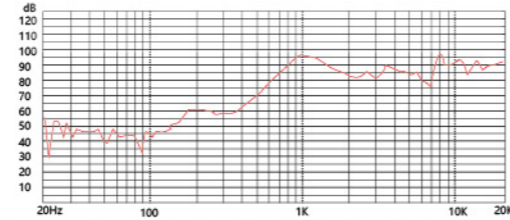
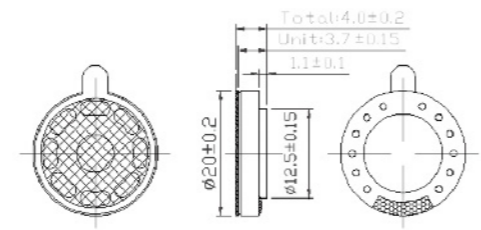
HS18MS0810 -H4.0



| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 1300Hz±20% | Without Baffle |
| Output S.P.L. | 89±3dB | At 0.1m 0.1w 1.0,1.2,1.5,2.0KHz Average |
| Rated Power | 1.0 W | at 2.83 Vrms |
| Max Power | 1.5 W | at 3.46 Vrms |
| Frequency Range | | FO----20kHz |
| Dimension | | Φ18 x H4.0 mm |
| Weight (MAX) | | 2.0 |

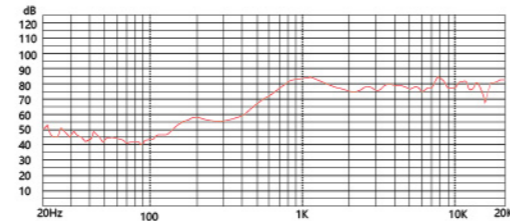
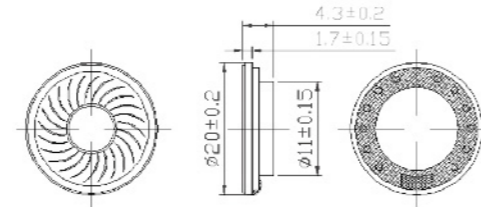


HS20P0810 -H4.0



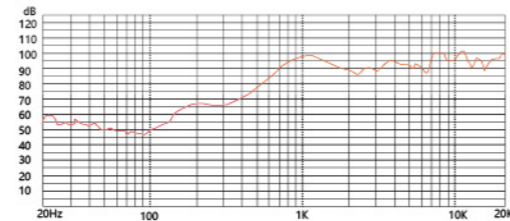
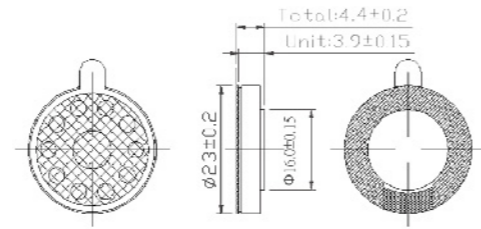
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 900Hz±20% | Without Baffle |
| Output S.PL | 89±3dB | At 0.1m 0.1w 0.8,1.0,1.2,1.5KHz Average |
| Rated Power | 1.0 W | at 2.83 Vrms |
| Max Power | 1.5 W | at 3.46 Vrms |
| Frequency Range | FO----6kHz | |
| Dimension | Φ20 x H4.0 mm | |
| Weight (MAX) | 1.8 | |

HS20MS0810 -H4.3



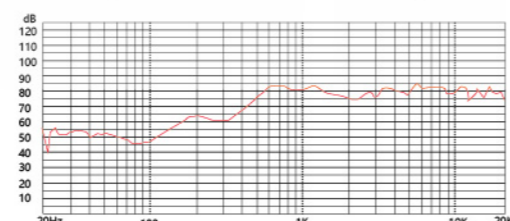
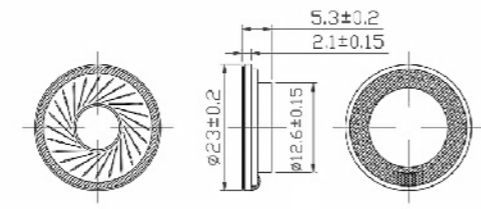
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 900Hz±20% | Without Baffle |
| Output S.PL | 87±3dB | At 0.1m 0.1w 0.8,1.0,1.2,1.5KHz Average |
| Rated Power | 1.0 W | at 2.83 Vrms |
| Max Power | 1.5 W | at 3.46 Vrms |
| Frequency Range | FO----6kHz | |
| Dimension | Φ20 x H4.3 mm | |
| Weight (MAX) | 2.8 | |

HS23P0810 -H4.4



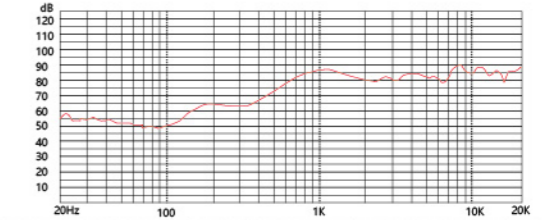
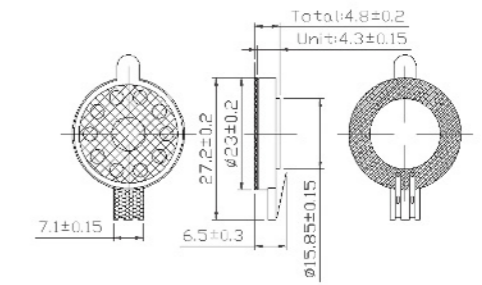
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 670Hz±20% | Without Baffle |
| Output S.PL | 90±3dB | At 0.1m 0.1w 0.8,1.0,1.2,1.5KHz Average |
| Rated Power | 1.0 W | at 2.83 Vrms |
| Max Power | 1.5 W | at 3.46 Vrms |
| Frequency Range | FO----6kHz | |
| Dimension | Φ23 x H4.4 mm | |
| Weight (MAX) | 3 | |

HS23MS0420 -H5.3



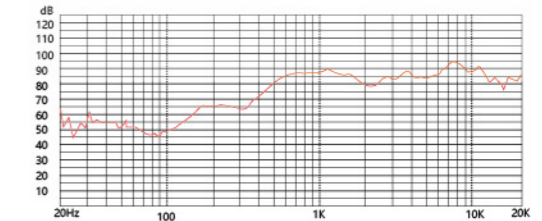
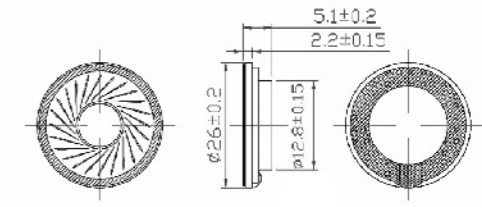
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 4Ω ± 15% | |
| Resonance Freq | 630Hz±20% | Without Baffle |
| Output S.PL | 82±3dB | At 0.1m 0.1w 0.8,1.0,1.2,1.5KHz Average |
| Rated Power | 2.0 W | at 2.83 Vrms |
| Max Power | 2.5 W | at 3.17 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | Φ20 x H5.3 mm | |
| Weight (MAX) | 3.8 | |

HS23NS0810 -H4.8TP



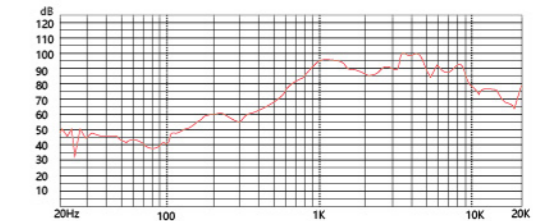
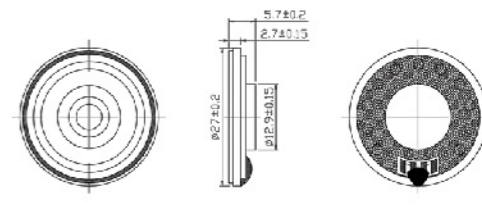
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 670Hz±20% | Without Baffle |
| Output S.PL | 90±3dB | At 0.1m 0.1w 0.8,1.0,1.2,1.5KHz Average |
| Rated Power | 1.0 W | at 2.83 Vrms |
| Max Power | 1.5 W | at 3.46 Vrms |
| Frequency Range | FO----6kHz | |
| Dimension | Φ23 x H4.8 mm | |
| Weight (MAX) | 3.5 | |

HS26MS0810 -H5.1



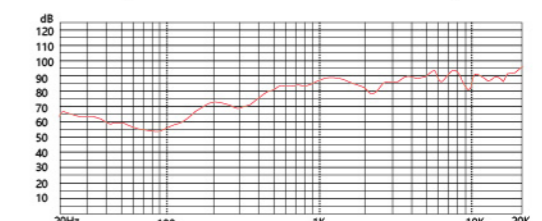
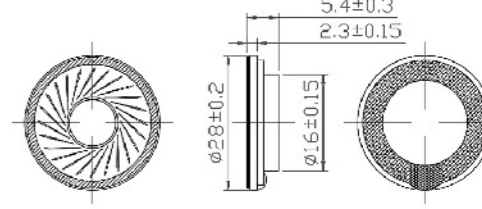
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 650Hz±20% | Without Baffle |
| Output S.PL | 87±3dB | At 0.1m 0.1w 0.8,1.0,1.2,1.5KHz Average |
| Rated Power | 1.0 W | at 2.83 Vrms |
| Max Power | 1.5 W | at 3.47 Vrms |
| Frequency Range | FO----6kHz | |
| Dimension | Φ26 x H5.1 mm | |
| Weight (MAX) | 5 | |

HS27MS0820 -H5.7



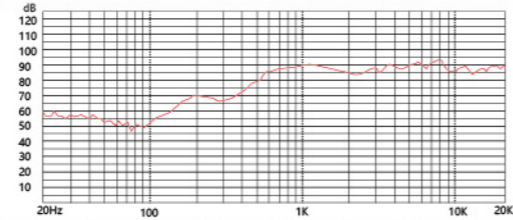
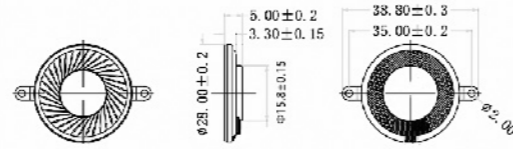
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| RRated Imp | 8Ω ± 15% | |
| Resonance Freq | 980Hz±20% | Without Baffle |
| Output S.PL | 89±3dB | At 0.1m 0.1w 0.8,1.0,1.2,1.5KHz Average |
| Rated Power | 2.0 W | at 4.0 Vrms |
| Max Power | 2.5 W | at 4.47 Vrms |
| Frequency Range | FO----6kHz | |
| Dimension | Φ27 x H5.7 mm | |
| Weight (MAX) | 5 | |

HS28MS0820 -H5.4



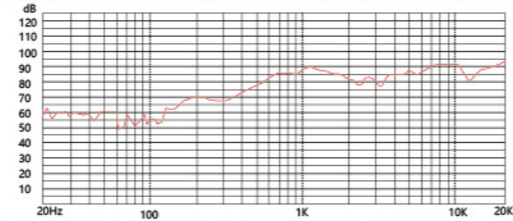
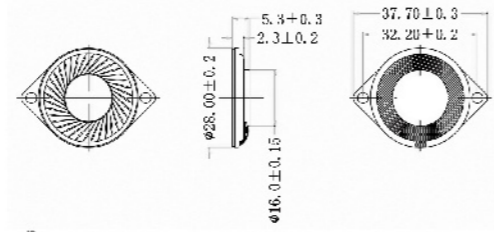
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 580Hz±20% | Without Baffle |
| Output S.PL | 87±3dB | At 0.1m 0.1w 1.0,1.5,2.0,3.0KHz Average |
| Rated Power | 2.0 W | at 4.0 Vrms |
| Max Power | 2.5 W | at 4.47 Vrms |
| Frequency Range | FO----6kHz | |
| Dimension | Φ28 x H5.4 mm | |
| Weight (MAX) | 5.0 | |

HS28MS0810 -H5.0-R



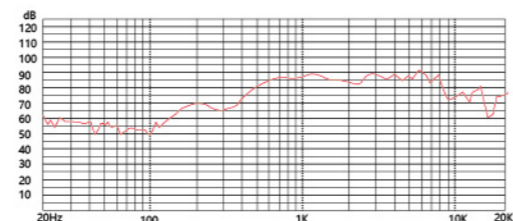
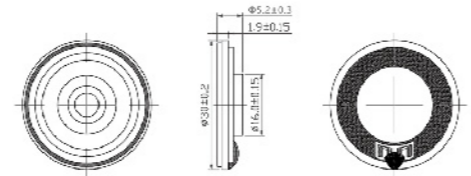
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 680Hz±20% | Without Baffle |
| Output S.PL | 88±3dB | At 0.1m 0.1w 0.8,1.0,1.2,1.5KHz Average |
| Rated Power | 1.0 W | at 2.83 Vrms |
| Max Power | 1.5 W | at 3.46 Vrms |
| Frequency Range | FO----6kHz | |
| Dimension | Φ28 x H5.0 mm | |
| Weight (MAX) | 7.0 | |

HS28MS0810 -H5.3-VR



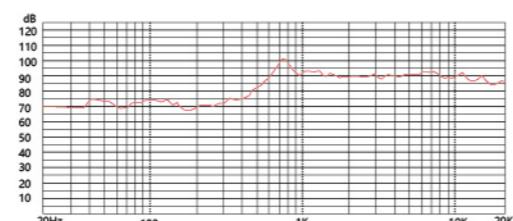
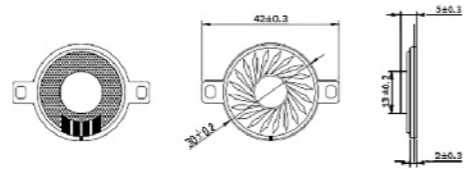
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 620Hz±20% | Without Baffle |
| Output S.PL | 87±3dB | At 0.1m 0.1w 0.8,1.0,1.2,1.5KHz Average |
| Rated Power | 1.0 W | at 2.83 Vrms |
| Max Power | 2.0 W | at 4.0 Vrms |
| Frequency Range | FO----6kHz | |
| Dimension | Φ26 x H5.1 mm | |
| Weight (MAX) | 8 | |

HS30MS0820 -H5.2



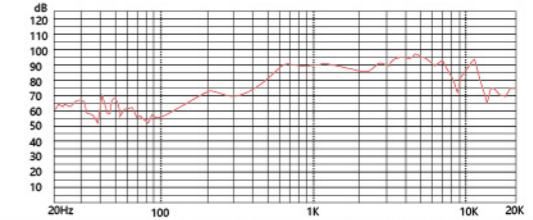
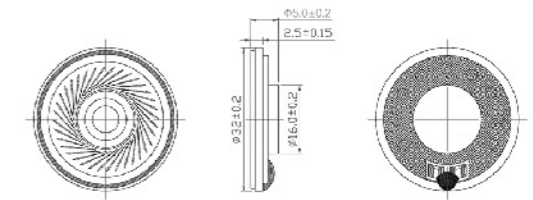
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 600Hz±20% | Without Baffle |
| Output S.PL | 89±3dB | At 0.1m 0.1w 0.8,1.0,1.2,1.5KHz Average |
| Rated Power | 2.0 W | at 4.0 Vrms |
| Max Power | 2.5 W | at 4.47 Vrms |
| Frequency Range | FO----6kHz | |
| Dimension | Φ30 x H5.2 mm | |
| Weight (MAX) | 7 | |

HS30MS0810 -H5.0-R



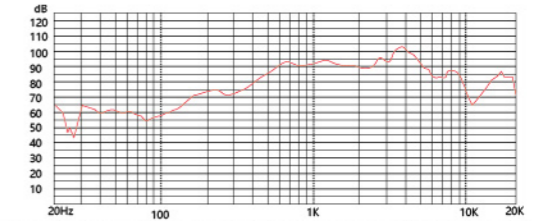
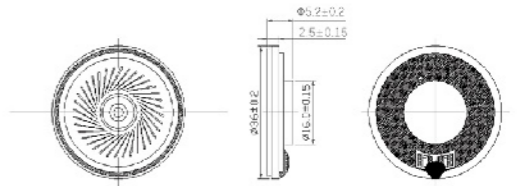
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 700Hz±20% | Without Baffle |
| Output S.PL | 89±3dB | At 0.1m 0.1w 1.0,1.5,2.0,3.0KHz Average |
| Rated Power | 1.0 W | at 2.83 Vrms |
| Max Power | 1.5 W | at 3.46 Vrms |
| Frequency Range | FO----6kHz | |
| Dimension | Φ30 x H5.0 mm | |
| Weight (MAX) | 7 | |

HS32MS0810 -H5.0



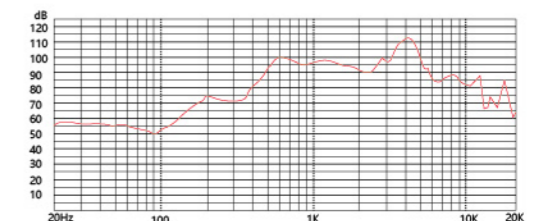
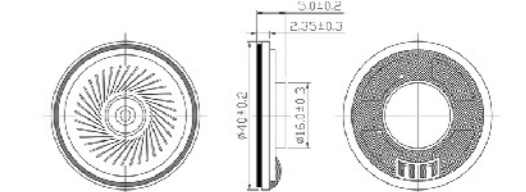
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 650Hz±20% | Without Baffle |
| Output S.PL | 89±3dB | At 0.1m 0.1w 0.8,1.0,1.2,1.5KHz Average |
| Rated Power | 1.0 W | at 2.83 Vrms |
| Max Power | 2.0 W | at 4.0 Vrms |
| Frequency Range | FO----6kHz | |
| Dimension | Φ32 x H5.0 mm | |
| Weight (MAX) | 8 | |

HS36MS0820 -H5.2



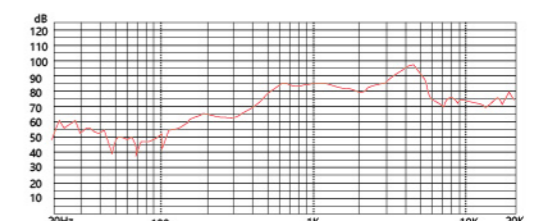
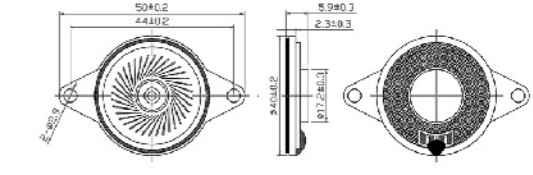
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 600Hz±20% | Without Baffle |
| Output S.PL | 92±3dB | At 0.1m 0.1w 0.8,1.0,1.2,1.5KHz Average |
| Rated Power | 2.0 W | at 4.0 Vrms |
| Max Power | 2.5 W | at 4.47 Vrms |
| Frequency Range | FO----6kHz | |
| Dimension | Φ36 x H5.2 mm | |
| Weight (MAX) | 9.0 | |

HS40MS0820 -H5.0



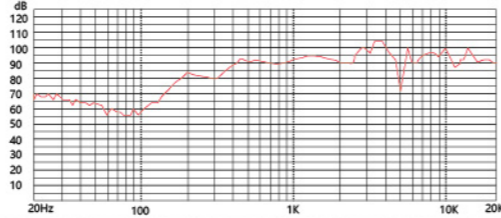
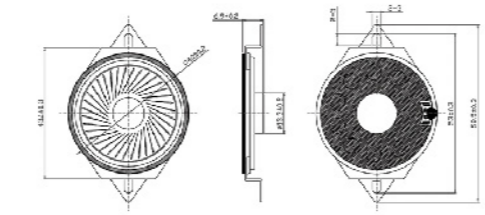
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 600Hz±20% | Without Baffle |
| Output S.PL | 92±3dB | At 0.1m 0.1w 0.8,1.0,1.2,1.5KHz Average |
| Rated Power | 2.0 W | at 4.0 Vrms |
| Max Power | 2.5 W | at 4.47 Vrms |
| Frequency Range | FO----6kHz | |
| Dimension | Φ40 x H5.0 mm | |
| Weight (MAX) | 10.0 | |

HS40MS0410 -H5.9-R



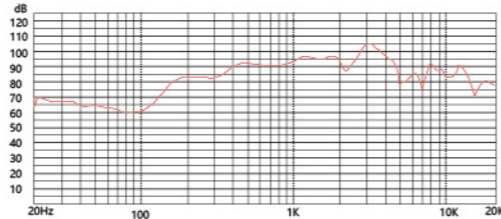
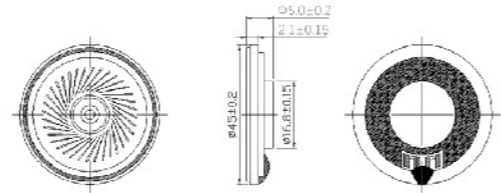
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 630Hz±20% | Without Baffle |
| Output S.PL | 88±3dB | At 0.1m 0.1w 1.0,1.5,2.0,3.0KHz Average |
| Rated Power | 1.0 W | at 2.0 Vrms |
| Max Power | 2.0 W | at 2.83 Vrms |
| Frequency Range | FO----6kHz | |
| Dimension | Φ40 x H5.9 mm | |
| Weight (MAX) | 11.0 | |

HS40MS0810 -H6.9-ZR



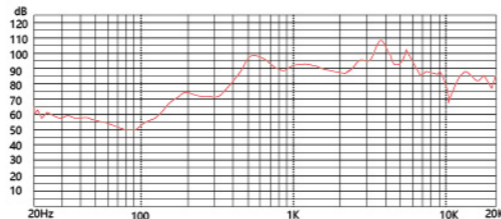
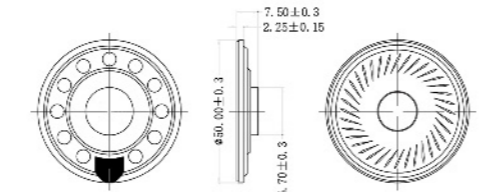
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 460Hz±20% | Without Baffle |
| Output S.PL | 89±3dB | At 0.1m 0.1w 0.6,1.0,1.5,2.0KHz Average |
| Rated Power | 1.0 W | at 2.83 Vrms |
| Max Power | 2.0 W | at 4.0 Vrms |
| Frequency Range | FO----6kHz | |
| Dimension | Φ40 x H6.9 mm | |
| Weight (MAX) | 11.0 | |

HS45MS0820 -H5.0



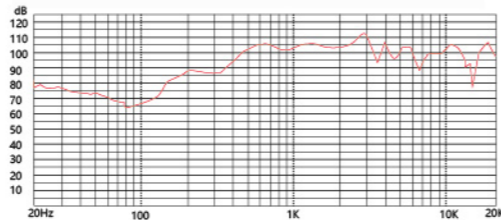
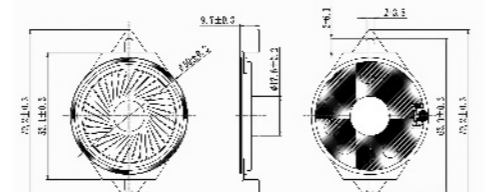
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 420Hz±20% | Without Baffle |
| Output S.PL | 92±3dB | At 0.1m 0.1w 0.8,1.0,1.2,1.5KHz Average |
| Rated Power | 2.0 W | at 4.0 Vrms |
| Max Power | 2.5 W | at 4.47 Vrms |
| Frequency Range | FO----6kHz | |
| Dimension | Φ45 x H5.0 mm | |
| Weight (MAX) | 10.0 | |

HS50MS0820 -H7.5



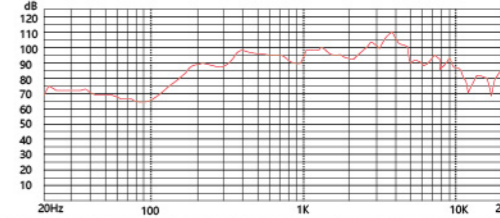
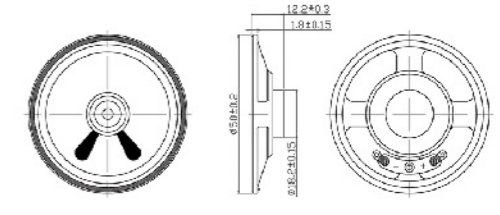
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 520Hz±20% | Without Baffle |
| Output S.PL | 92±3dB | At 0.1m 0.1w 0.8,1.0,1.2,1.5KHz Average |
| Rated Power | 2.0 W | at 4.0 Vrms |
| Max Power | 2.5 W | at 4.47 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | Φ50 x H7.5 mm | |
| Weight (MAX) | 13.0 | |

HS50MS0820 -H9.7-R



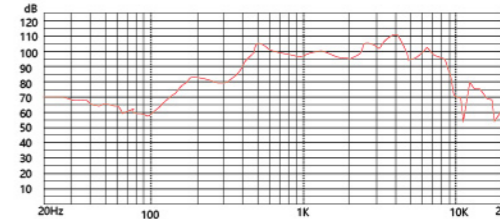
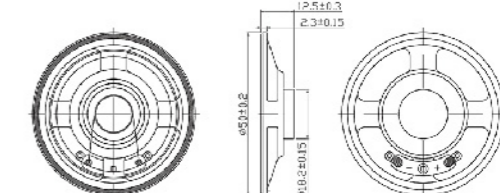
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 500Hz±20% | Without Baffle |
| Output S.PL | 99±3dB | At 0.1m 0.1w 1.0,1.5,2.0,3.0KHz Average |
| Rated Power | 2.0 W | at 4.0 Vrms |
| Max Power | 2.0 W | at 4.0 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | Φ50 x H9.7 mm | |
| Weight (MAX) | 15.0 | |

HS50DS0830 -H12.2



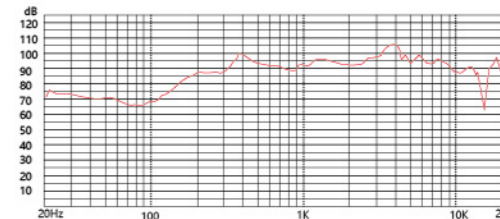
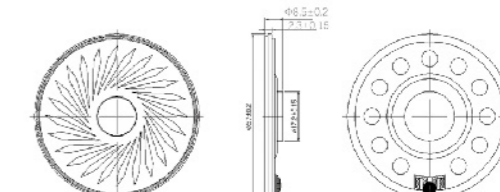
| Item | Specification | Testing Condition |
|-----------------|----------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 380Hz±20% | Without Baffle |
| Output S.PL | 95±3dB | At 0.1m 0.1w 0.8,1.0,1.2,1.5KHz Average |
| Rated Power | 3.0 W | at 4.89 Vrms |
| Max Power | 4.0 W | at 5.65 Vrms |
| Frequency Range | FO----6kHz | |
| Dimension | Φ50 x H12.2 mm | |
| Weight (MAX) | 17.0 | |

HS50DS0430 -H12.5



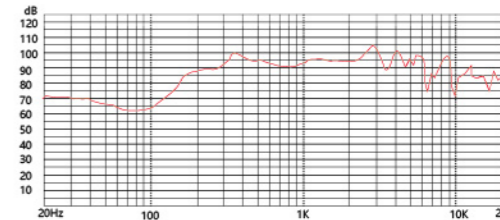
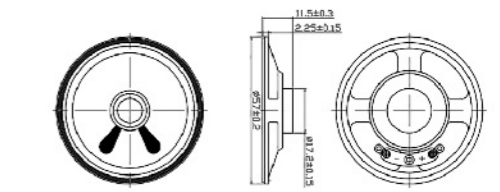
| Item | Specification | Testing Condition |
|-----------------|----------------|---|
| Rated Imp | 4Ω ± 15% | |
| Resonance Freq | 490Hz±20% | Without Baffle |
| Output S.PL | 92±3dB | At 0.1m 0.1w 0.8,1.0,1.2,1.5KHz Average |
| Rated Power | 2.0 W | at 4.0 Vrms |
| Max Power | 2.5 W | at 4.47 Vrms |
| Frequency Range | FO----6kHz | |
| Dimension | Φ50 x H12.5 mm | |
| Weight (MAX) | 17.0 | |

HS57MS0820 -H8.5



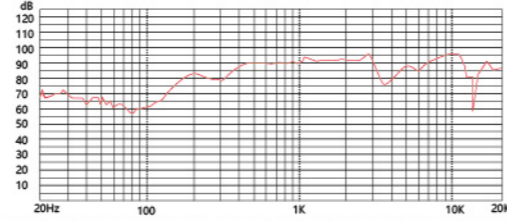
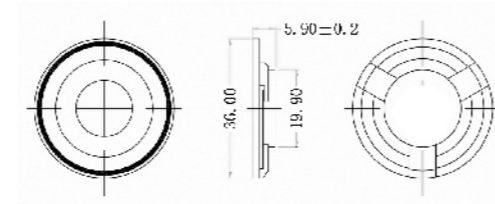
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 380Hz±20% | Without Baffle |
| Output S.PL | 90±3dB | At 0.1m 0.1w 0.8,1.0,1.2,1.5KHz Average |
| Rated Power | 2.0 W | at 4.0 Vrms |
| Max Power | 2.5 W | at 4.47 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | Φ50 x H8.5 mm | |
| Weight (MAX) | 17.0 | |

HS57DS0830 -H11.5



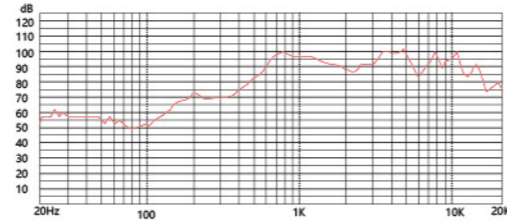
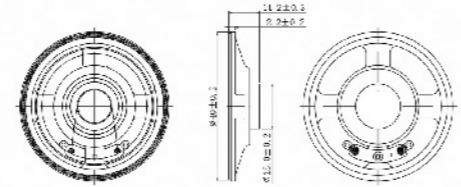
| Item | Specification | Testing Condition |
|-----------------|----------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 380Hz±20% | Without Baffle |
| Output S.PL | 92±3dB | At 0.1m 0.1w 1.0,1.5,2.0,3.0KHz Average |
| Rated Power | 3.0 W | at 4.89 Vrms |
| Max Power | 3.5 W | at 5.29 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | Φ57 x H11.5 mm | |
| Weight (MAX) | 15.0 | |

HS36NS0420 -H5.9



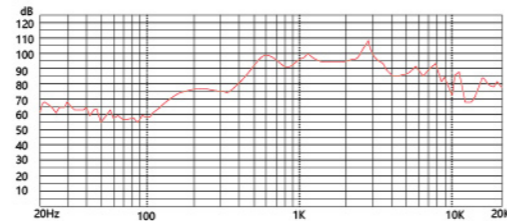
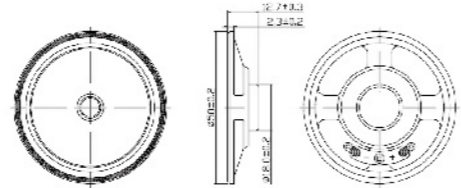
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 4Ω ± 15% | |
| Resonance Freq | 420Hz±20% | Without Baffle |
| Output S.PL | 88±3dB | At 0.1m 0.1w 0.6,1.0,1.5,2.0KHz Average |
| Rated Power | 2.0 W | at 2.83 Vrms |
| Max Power | 3.0 W | at 3.47 Vrms |
| Frequency Range | | FO----6kHz |
| Dimension | | Φ36 x H5.9 mm |
| Weight (MAX) | | 6.5 |

HS40DS0820 -H11.2



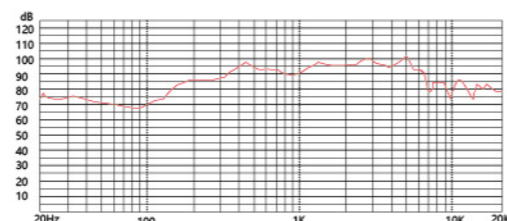
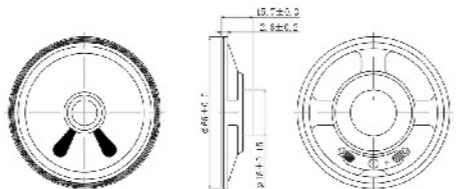
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 720Hz±20% | Without Baffle |
| Output S.PL | 95±3dB | At 0.1m 0.1w 0.6,1.0,1.5,2.0KHz Average |
| Rated Power | 2.0 W | at 4.0 Vrms |
| Max Power | 3.0 W | at 4.9 Vrms |
| Frequency Range | | FO----6kHz |
| Dimension | | Φ40 x H11.2 mm |
| Weight (MAX) | | 13.5 |

HS50DS0430 -H12.7 PEI



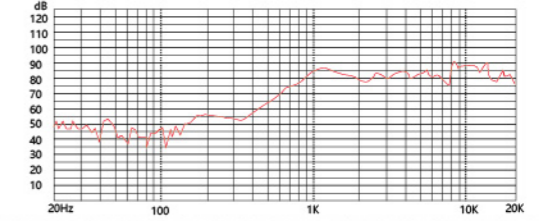
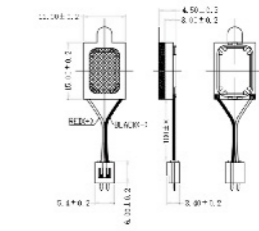
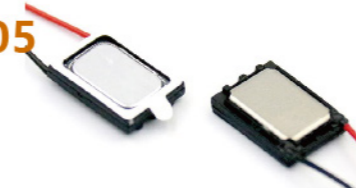
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 4Ω ± 15% | |
| Resonance Freq | 520Hz±20% | Without Baffle |
| Output S.PL | 92±3dB | At 0.1m 0.1w 0.8,1.0,1.2,1.5KHz Average |
| Rated Power | 3.0 W | at 3.47 Vrms |
| Max Power | 4.0 W | at 4.0 Vrms |
| Frequency Range | | FO----6kHz |
| Dimension | | Φ50 x H12.7 mm |
| Weight (MAX) | | 17.0 |

HS66DS0830 -H15.7



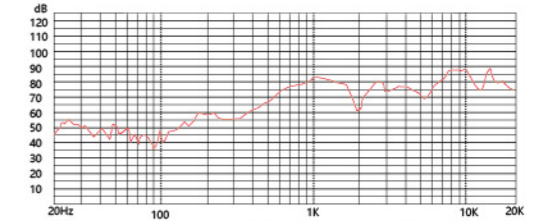
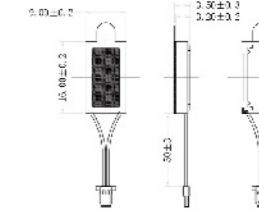
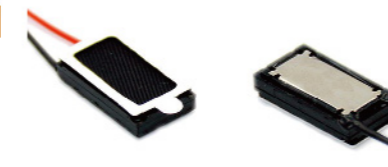
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 430Hz±20% | Without Baffle |
| Output S.PL | 95±3dB | At 0.1m 0.1w 0.8,1.0,1.2,1.5KHz Average |
| Rated Power | 3.0 W | at 4.9 Vrms |
| Max Power | 3.0 W | at 4.9 Vrms |
| Frequency Range | | FO----6kHz |
| Dimension | | Φ57 x H15.7 mm |
| Weight (MAX) | | 21.0 |

HS1511MS0805 -H4.5



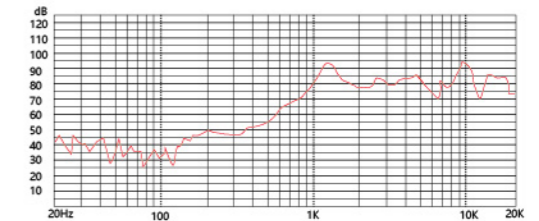
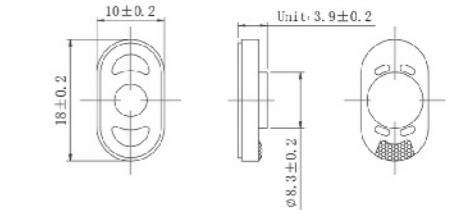
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | At 1kHz 1Vrms |
| Resonance Freq | 750Hz±20% | Without Baffle |
| Output S.PL | 83±3dB | At 0.1m 0.1w 0.8,1.0,1.2,1.5KHz Average |
| Rated Power | 0.5 W | at 2.0 Vrms |
| Max Power | 0.8 W | at 2.53 Vrms |
| Frequency Range | | FO----20kHz |
| Dimension | | 15 x 11 mm |
| Weight (MAX) | | 1.5 |

HS1609P01 -H3.5



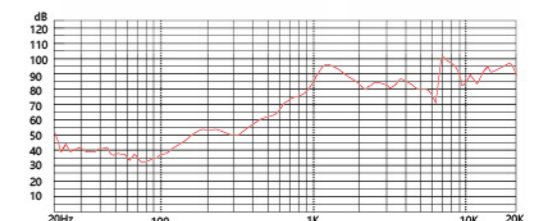
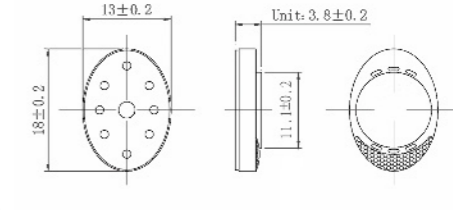
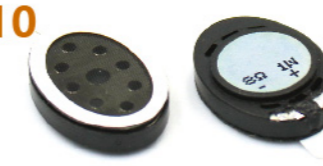
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 650Hz±20% | Without Baffle |
| Output S.PL | 90±3dB | At 0.1m 0.1w 0.8,1.0,1.2,1.5KHz Average |
| Rated Power | 0.8 W | at 2.37 Vrms |
| Max Power | 1.0 W | at 2.83 Vrms |
| Frequency Range | | FO----10kHz |
| Dimension | | 16 x 9 mm |
| Weight (MAX) | | 1.5 |

HS1810MS0810 -H3.9



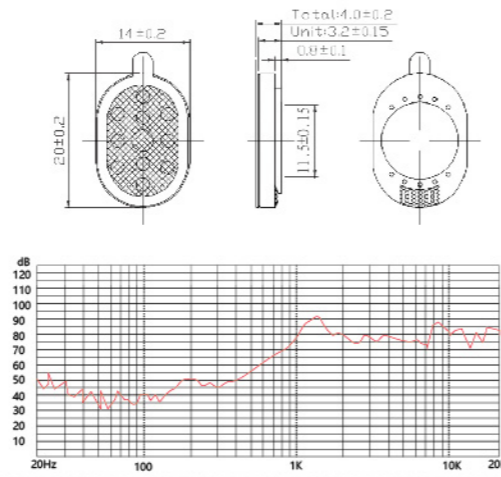
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 1300Hz±20% | Without Baffle |
| Output S.PL | 84±3dB | At 0.1m 0.1w 0.8,1.0,1.2,1.5KHz Average |
| Rated Power | 1.0 W | at 2.83 Vrms |
| Max Power | 1.2 W | at 3.1 Vrms |
| Frequency Range | | FO----20kHz |
| Dimension | | 18 x 10 mm |
| Weight (MAX) | | 1.5 |

HS1813MS0810 -H3.8



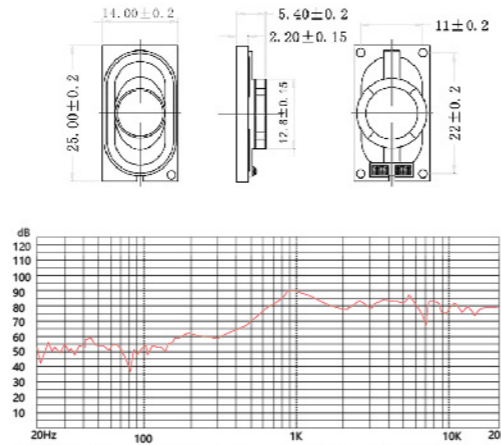
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 1200Hz±20% | Without Baffle |
| Output S.PL | 83±3dB | At 0.1m 0.1w 1.0,1.5,2.0,3.0KHz Average |
| Rated Power | 1.0 W | at 2.83 Vrms |
| Max Power | 1.5 W | at 3.46 Vrms |
| Frequency Range | | FO----6kHz |
| Dimension | | 18 x 13 mm |
| Weight (MAX) | | 1.5 |

HS2014MS0810 -H4.5



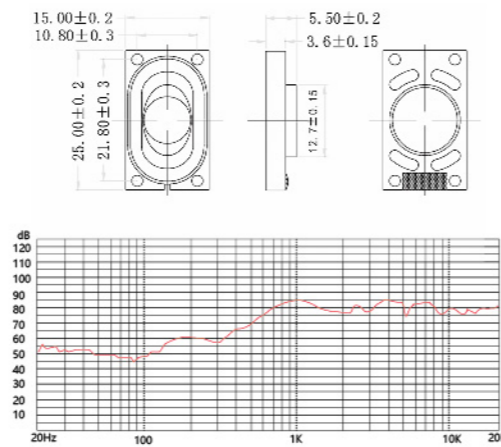
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 950Hz±20% | Without Baffle |
| Output S.PL | 87±3dB | At 0.1m 0.1w 0.8,1.0,1.5,2.0KHz Average |
| Rated Power | 1.0 W | at 2.83 Vrms |
| Max Power | 1.5 W | at 3.46 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | 20 x 14 mm | |
| Weight (MAX) | 1.8 | |

HS2514NS0810 -H5.4



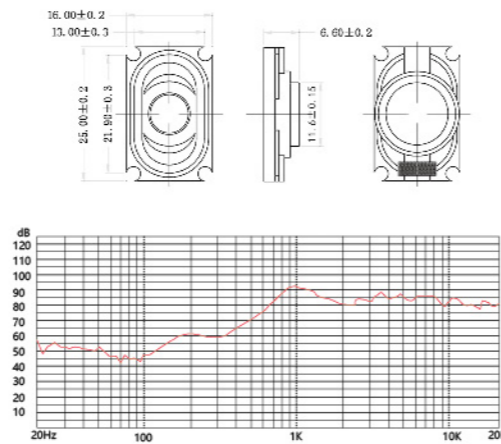
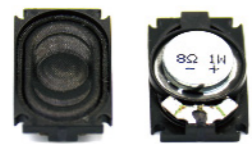
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 830Hz±20% | Without Baffle |
| Output S.PL | 88±3dB | At 0.1m 0.1w 0.8,1.0,1.2,1.5KHz Average |
| Rated Power | 1.0 W | at 2.83 Vrms |
| Max Power | 2.0 W | at 4.0 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | 25 x 14 mm | |
| Weight (MAX) | 4.0 | |

HS2515NS0810 -H5.5



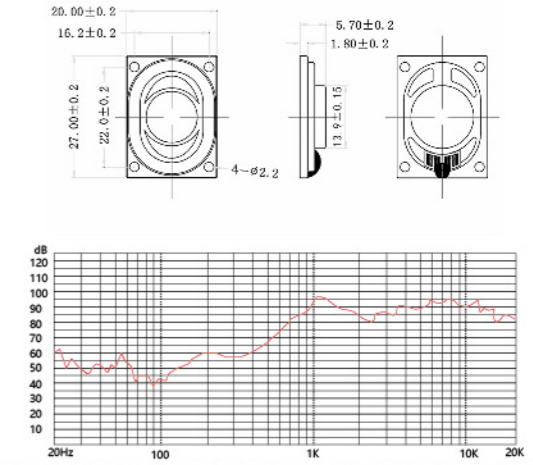
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 780Hz±20% | Without Baffle |
| Output S.PL | 88±3dB | At 0.1m 0.1w 0.8,1.0,1.2,1.5KHz Average |
| Rated Power | 1.0 W | at 2.83 Vrms |
| Max Power | 2.0 W | at 3.1 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | 25 x 15 mm | |
| Weight (MAX) | 4.0 | |

HS2516NS0810 -H6.6



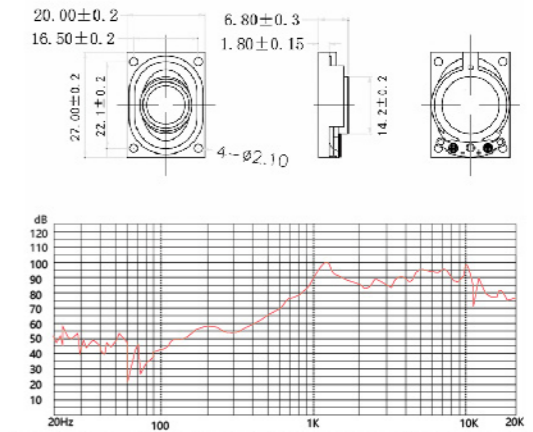
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 850Hz±20% | Without Baffle |
| Output S.PL | 88±3dB | At 0.1m 0.1w 1.0,1.5,2.0,3.0KHz Average |
| Rated Power | 1.0 W | at 2.83 Vrms |
| Max Power | 2.0 W | at 4.0 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | 25 x 16 mm | |
| Weight (MAX) | 3.5 | |

HS2720NS0420 -H5.7



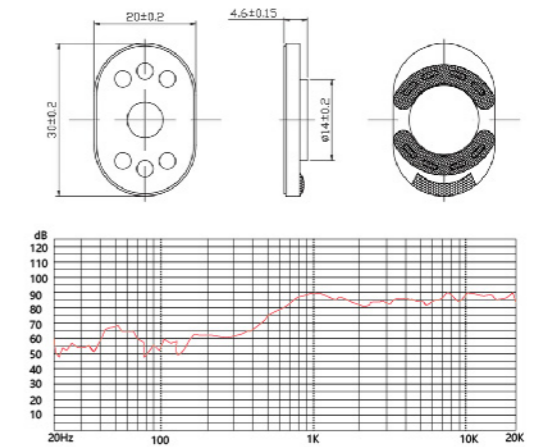
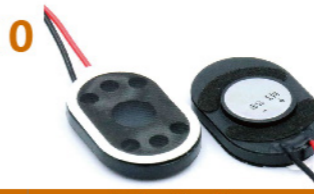
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 4Ω ± 15% | |
| Resonance Freq | 980Hz±20% | Without Baffle |
| Output S.PL | 87±3dB | At 0.1m 0.1w 0.8,1.0,1.5,2.0KHz Average |
| Rated Power | 2.0 W | at 2.83 Vrms |
| Max Power | 2.5 W | at 3.16 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | 27 x 20 mm | |
| Weight (MAX) | 5.0 | |

HS2720NS0820 -H6.8



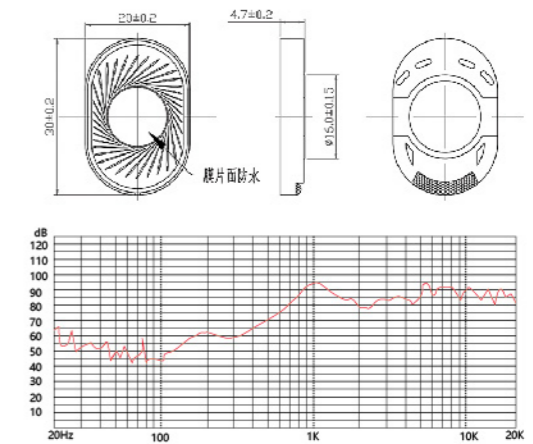
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 1200Hz±20% | Without Baffle |
| Output S.PL | 88±3dB | At 0.1m 0.1w 1.0,1.2,1.5,3.0KHz Average |
| Rated Power | 2.0 W | at 4.0 Vrms |
| Max Power | 2.5 W | at 4.47 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | 27 x 20 mm | |
| Weight (MAX) | 2.0 | |

HS3020MS0810 -H5.0



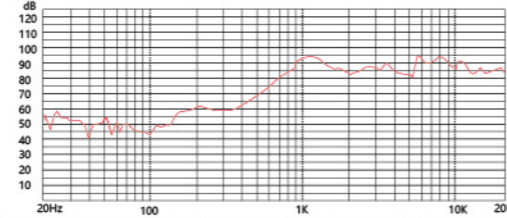
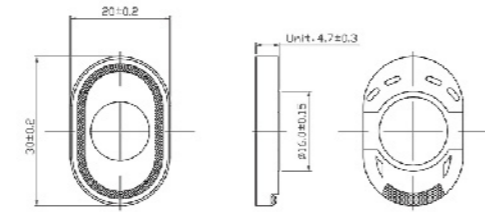
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 820Hz±20% | Without Baffle |
| Output S.PL | 86±3dB | At 0.1m 0.1w 0.8,1.0,1.5,2.0KHz Average |
| Rated Power | 1.0 W | at 2.83 Vrms |
| Max Power | 1.5 W | at 3.47 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | 30 x 20 mm | |
| Weight (MAX) | 4.0 | |

HS3020MS0820 -H4.7 PEI



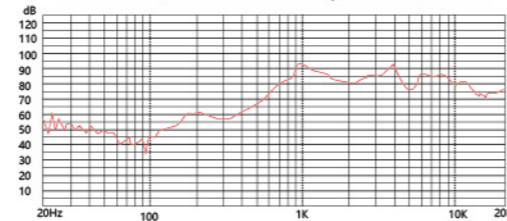
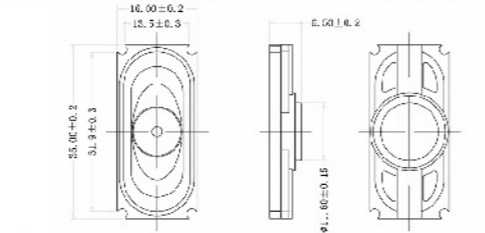
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 900Hz±20% | Without Baffle |
| Output S.PL | 90±3dB | At 0.1m 0.1w 0.8,1.0,1.2,1.5KHz Average |
| Rated Power | 2.0 W | at 4.0 Vrms |
| Max Power | 2.5 W | at 4.46 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | 30 x 20 mm | |
| Weight (MAX) | 4.0 | |

HS3020DS0820 -H4.7



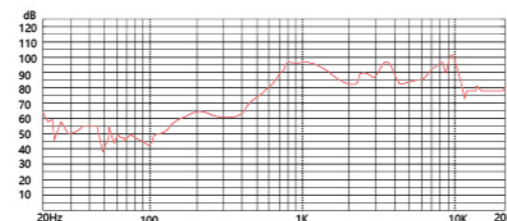
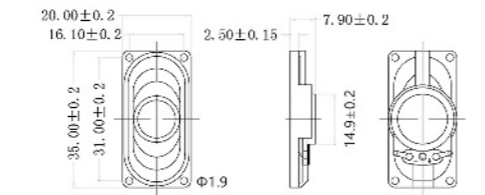
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 950Hz±20% | Without Baffle |
| Output S.PL | 89±3dB | At 0.1m 0.1w 0.8,1.0,1.2,1.5KHz Average |
| Rated Power | 2.0 W | at 4.0 Vrms |
| Max Power | 2.5 W | at 4.46 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | 30 x 20 mm | |
| Weight (MAX) | | |

HS3516NS0810 -H6.5



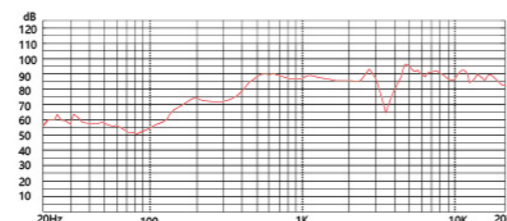
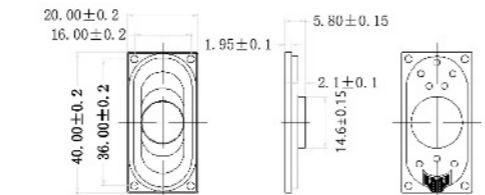
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 850Hz±20% | Without Baffle |
| Output S.PL | 88±3dB | At 0.1m 0.1w 1.0,1.5,2.0,3.0KHz Average |
| Rated Power | 1.0 W | at 2.83 Vrms |
| Max Power | 2.0 W | at 4.0 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | 35 x 16 mm | |
| Weight (MAX) | 4.0 | |

HS3520NS0820 -H7.9



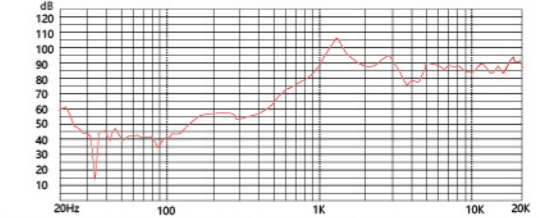
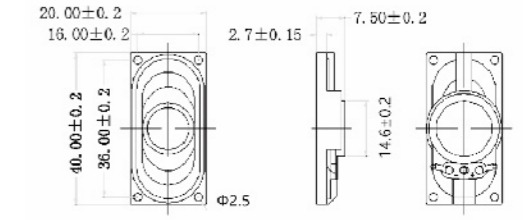
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 820Hz±20% | Without Baffle |
| Output S.PL | 92±3dB | At 0.1m 0.1w 1.0,1.5,2.0,3.0KHz Average |
| Rated Power | 2.0 W | at 4.0 Vrms |
| Max Power | 2.5 W | at 4.47 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | 35 x 20 mm | |
| Weight (MAX) | 6.0 | |

HS4020NS0820 -5.8



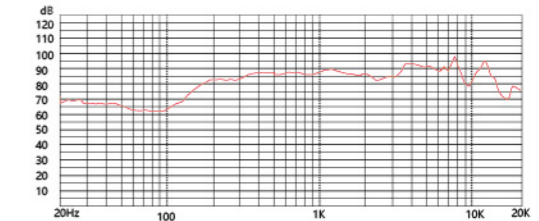
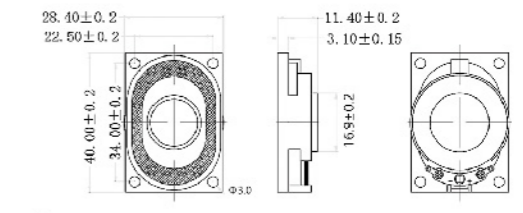
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 530Hz±20% | Without Baffle |
| Output S.PL | 88±3dB | At 0.1m 0.1w 0.8,1.0,1.2,1.5KHz Average |
| Rated Power | 2.0 W | at 2.83 Vrms |
| Max Power | 2.5 W | at 3.16 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | 40 x 20 mm | |
| Weight (MAX) | 8.0 | |

HS4020NS0820 -7.5



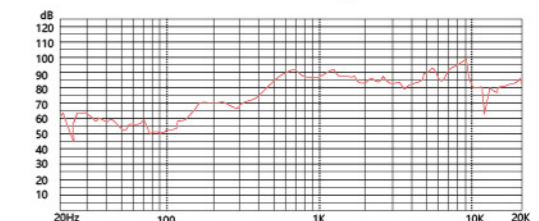
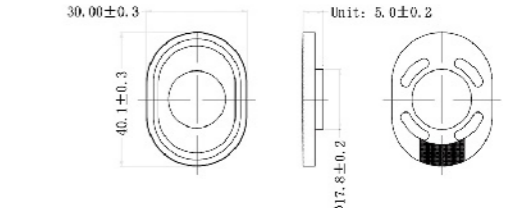
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 1200Hz±20% | Without Baffle |
| Output S.PL | 91±3dB | At 0.1m 0.1w 1.0,1.5,2.0,3.0KHz Average |
| Rated Power | 2.0 W | at 2.83 Vrms |
| Max Power | 2.5 W | at 3.16 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | 40 x 20 mm | |
| Weight (MAX) | 5.5 | |

HS4028MS0820 -H11.4



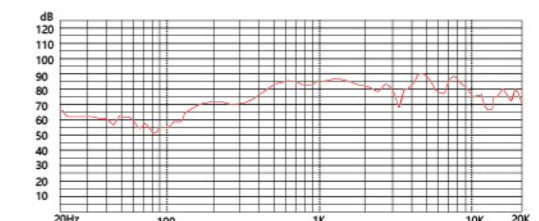
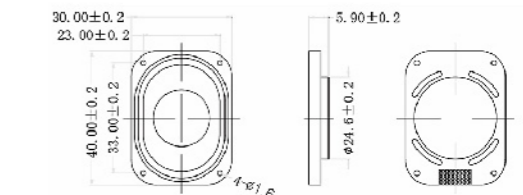
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 380Hz±20% | Without Baffle |
| Output S.PL | 86±3dB | At 0.1m 0.1w 0.6,0.8,1.0,1.2KHz Average |
| Rated Power | 2.0 W | at 4.0 Vrms |
| Max Power | 2.5 W | at 4.47 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | 40 x 28 mm | |
| Weight (MAX) | 13.0 | |

HS4030NS0420 -H5.0



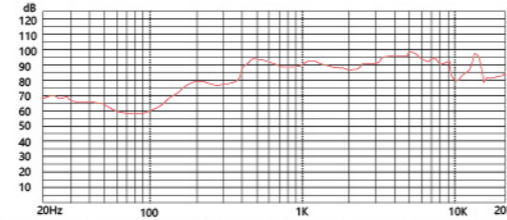
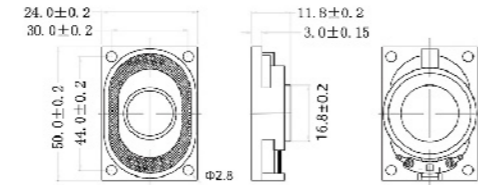
| Item | Specification | Testing Condition |
|-----------------|---------------|--|
| Rated Imp | 4Ω ± 15% | |
| Resonance Freq | 620Hz±20% | Without Baffle |
| Output S.PL | 86±3dB | 86±3dB At 0.1m 0.1w 0.6,0.8,1.0,1.2KHz Average |
| Rated Power | 2.0 W | at 2.83 Vrms |
| Max Power | 3.0 W | at 3.47 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | 40 x 30 mm | |
| Weight (MAX) | 8.0 | |

HS4030NS0420 -H5.9



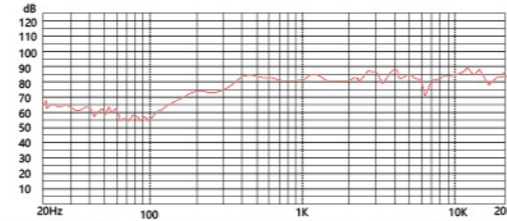
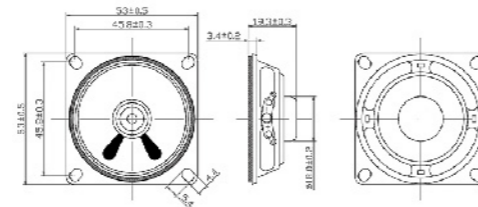
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 4Ω ± 15% | |
| Resonance Freq | 500Hz±20% | Without Baffle |
| Output S.PL | 86±3dB | At 0.1m 0.1w 0.6,1.0,1.5,2.0KHz Average |
| Rated Power | 2.0 W | at 2.83 Vrms |
| Max Power | 3.0 W | at 3.47 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | 40 x 30 mm | |
| Weight (MAX) | 8.0 | |

HS5030NS0830 -H11.8



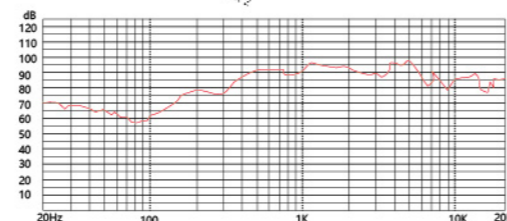
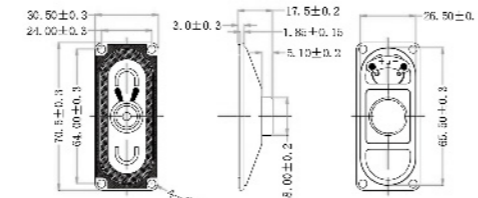
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 460Hz±20% | Without Baffle |
| Output S.PL | 88±3dB | At 0.1m 0.1w 0.6,0.8,1.0,1.2KHz Average |
| Rated Power | 2.0 W | at 4.0 Vrms |
| Max Power | 2.5 W | at 4.47 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | 50 x 30 mm | |
| Weight (MAX) | 13.0 | |

HS5353DS0830 -H19.3



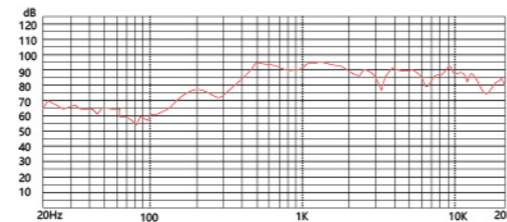
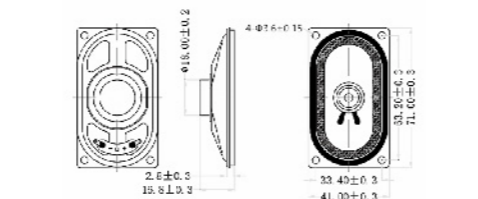
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 420Hz±20% | Without Baffle |
| Output S.PL | 92±3dB | At 0.1m 0.1w 0.6,1.0,1.5,2.0KHz Average |
| Rated Power | 3.0 W | at 4.9 Vrms |
| Max Power | 4.0 W | at 5.66 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | 53 x 53 mm | |
| Weight (MAX) | 18.0 | |

HS7030DS0430 -H17.5



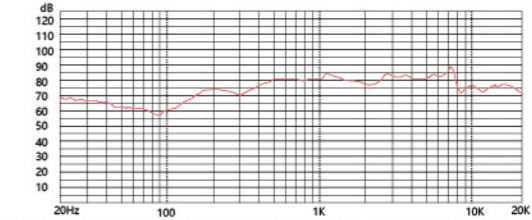
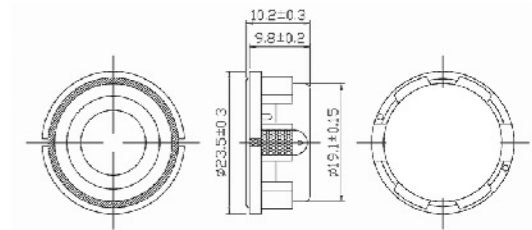
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 4Ω ± 15% | |
| Resonance Freq | 430Hz±20% | Without Baffle |
| Output S.PL | 92±3dB | At 0.1m 0.1w 1.0,1.5,2.0,3.0KHz Average |
| Rated Power | 3.0 W | at 3.46 Vrms |
| Max Power | 4.0 W | at 4.0 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | 70 x 30 mm | |
| Weight (MAX) | 17.0 | |

HS7040DS0450 -H16.8



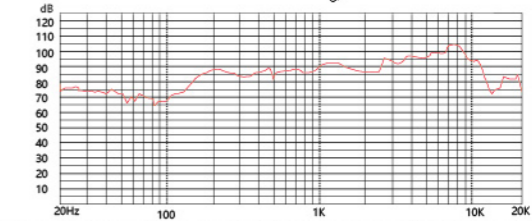
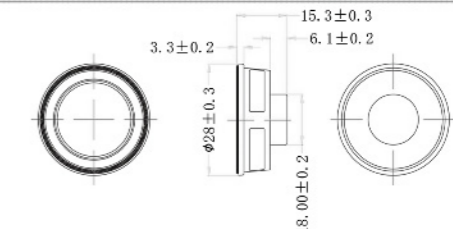
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 4Ω ± 15% | |
| Resonance Freq | 380Hz±20% | Without Baffle |
| Output S.PL | 92±3dB | At 0.1m 0.1w 0.8,1.0,1.2,1.5KHz Average |
| Rated Power | 5.0 W | at 4.47 Vrms |
| Max Power | 6.0 W | at 4.9 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | 70 x 40 mm | |
| Weight (MAX) | 19.0 | |

HS23DS0430 -H9.8



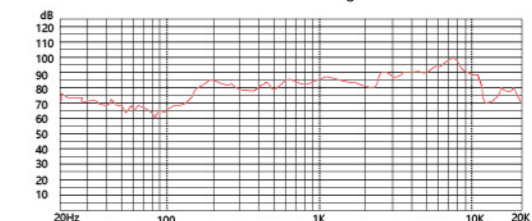
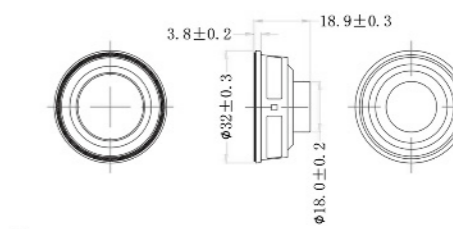
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 4Ω ± 15% | At 1kHz 1.0Vrms |
| Resonance Freq | 420Hz±20% | Without Baffle |
| Output S.PL | 82±3dB | At 0.1m 0.1w 0.6,0.8,1.0,1.2KHz Average |
| Rated Power | 3.0 W | at 3.46 Vrms |
| Max Power | 3.5 W | at 3.74 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | Φ23 x H9.8 mm | |
| Weight (MAX) | 12.0 | |

HS28DS0830 -H15.3



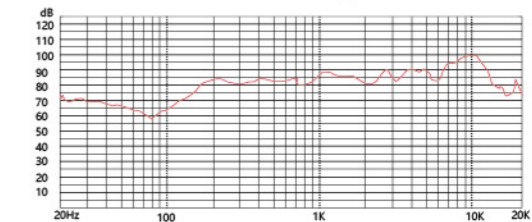
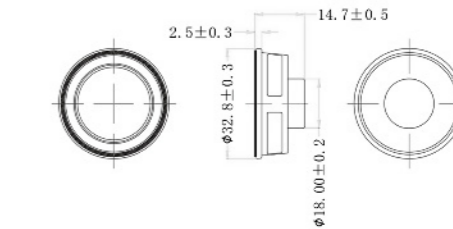
| Item | Specification | Testing Condition |
|-----------------|----------------|---|
| Rated Imp | 8Ω ± 15% | At 1kHz |
| Resonance Freq | 280Hz±20% | Without Baffle |
| Output S.PL | 83±3dB | At 0.1m 0.1w 0.6,1.0,1.5,2.0KHz Average |
| Rated Power | 3.0 W | at 4.89 Vrms |
| Max Power | 5.0 W | at 6.32 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | Φ28 x H15.3 mm | |
| Weight (MAX) | 13.5 | |

HS32DS0430 -H18.9-BV



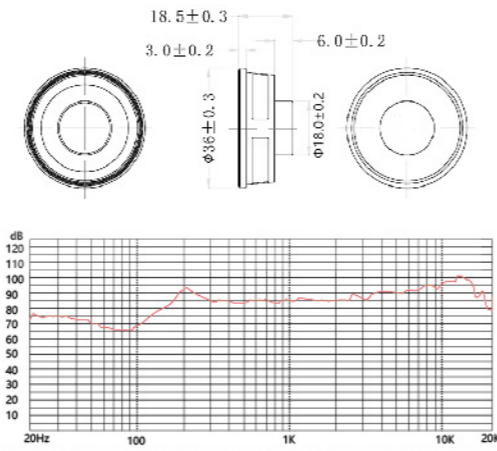
| Item | Specification | Testing Condition |
|-----------------|----------------|---|
| Rated Imp | 4Ω ± 15% | At 1kHz |
| Resonance Freq | 260Hz±20% | Without Baffle |
| Output S.PL | 85±3dB | At 0.1m 0.1w 0.8,1.0,1.2,1.5KHz Average |
| Rated Power | 3.0 W | at 3.47 Vrms |
| Max Power | 5.0 W | at 4.47 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | Φ32 x H18.9 mm | |
| Weight (MAX) | 16.0 | |

HS33DS0430 -H14.7



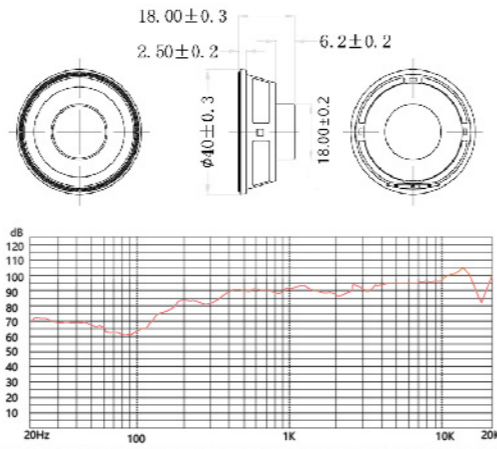
| Item | Specification | Testing Condition |
|-----------------|----------------|---|
| Rated Imp | 4Ω ± 15% | At 1kHz 1.0Vrms |
| Resonance Freq | 300Hz±20% | Without Baffle |
| Output S.PL | 85±3dB | At 0.1m 0.1w 0.6,0.8,1.0,1.2KHz Average |
| Rated Power | 3.0 W | at 3.47 Vrms |
| Max Power | 5.0 W | at 4.47 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | Φ33 x H14.7 mm | |
| Weight (MAX) | 18.0 | |

HS36DS0430 -H18.5



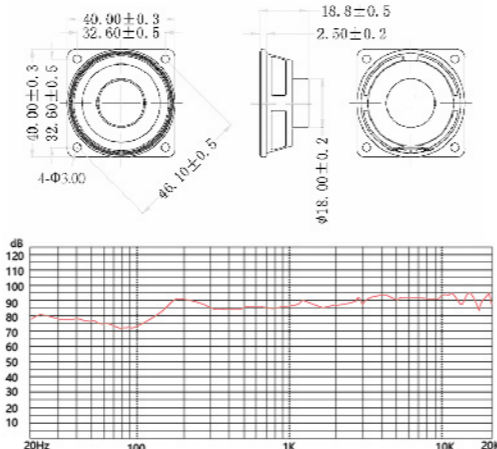
| Item | Specification | Testing Condition |
|-----------------|----------------|---------------------------------------|
| Rated Imp | 4Ω ± 15% | |
| Resonance Freq | 220Hz±20% | Without Baffle |
| Output S.PL | 79±3dB | At 0.1m 1w 0.8,1.0,1.2,1.5KHz Average |
| Rated Power | 3.0 W | at 3.47 Vrms |
| Max Power | 5.0 W | at 4.47 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | Φ36 x H18.5 mm | |
| Weight (MAX) | 15.0 | |

HS40DS0850 -H18.0



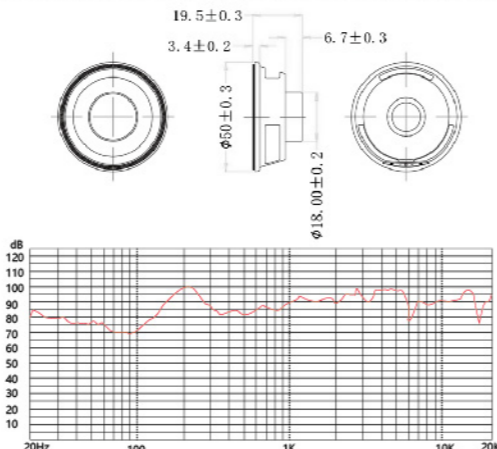
| Item | Specification | Testing Condition |
|-----------------|----------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 420Hz±20% | Without Baffle |
| Output S.PL | 88±3dB | At 0.1m 0.1w 0.8,1.0,1.2,1.5KHz Average |
| Rated Power | 5.0 W | at 6.32 Vrms |
| Max Power | 6.0 W | at 6.93 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | Φ40 x H18.0 mm | |
| Weight (MAX) | 17.0 | |

HS40DS0850 -H18.8



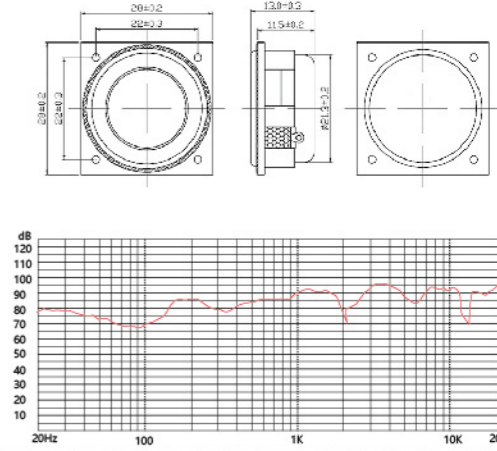
| Item | Specification | Testing Condition |
|-----------------|--------------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 255Hz±20% | Without Baffle |
| Output S.PL | 85±3dB | At 0.1m 0.1w 0.6,1.0,1.5,2.0KHz Average |
| Rated Power | 5.0 W | at 6.32 Vrms |
| Max Power | 6.0 W | at 6.93 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | 40 x 40 x H18.8 mm | |
| Weight (MAX) | 17.0 | |

HS50DS0450 -H19.5



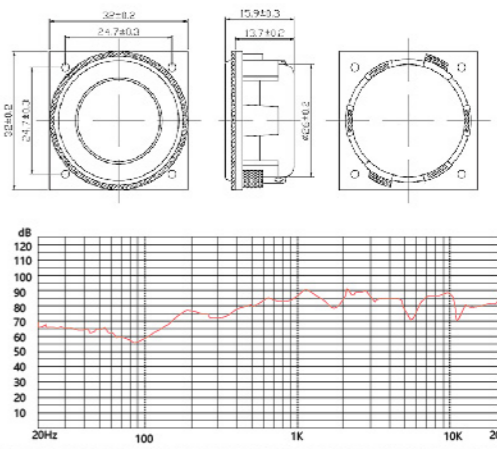
| Item | Specification | Testing Condition |
|-----------------|----------------|---|
| Rated Imp | 4Ω ± 15% | |
| Resonance Freq | 220Hz±20% | Without Baffle |
| Output S.PL | 90±3dB | At 0.1m 0.1w 0.6,0.8,1.0,1.2KHz Average |
| Rated Power | 5.0 W | at 4.47 Vrms |
| Max Power | 8.0 W | at 5.66 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | Φ50 x H19.5 mm | |
| Weight (MAX) | 31.0 | |

HS2828DS0430 -H13.0



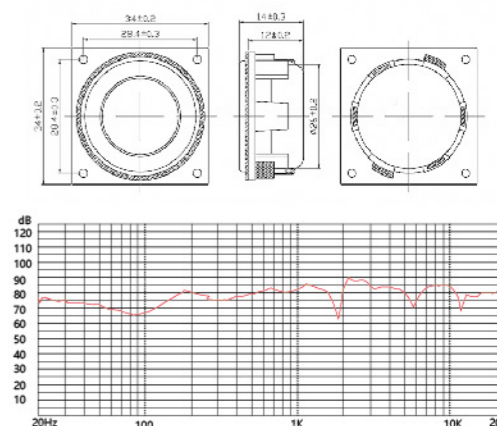
| Item | Specification | Testing Condition |
|-----------------|--------------------|---|
| Rated Imp | 4Ω ± 15% | |
| Resonance Freq | 260Hz±20% | Without Baffle |
| Output S.PL | 84±3dB | At 0.1m 0.1w 0.6,0.8,1.0,1.5KHz Average |
| Rated Power | 3.0 W | at 3.47 Vrms |
| Max Power | 3.0 W | at 3.47 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | 28 x 28 x H13.0 mm | |
| Weight (MAX) | 19.0 | |

HS3232DS0830 -H15.9



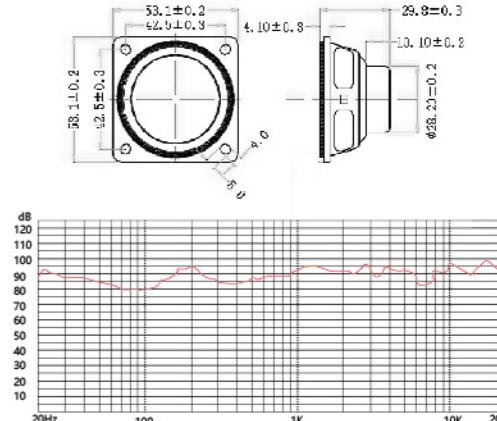
| Item | Specification | Testing Condition |
|-----------------|--------------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 380Hz±20% | Without Baffle |
| Output S.PL | 85±3dB | At 0.1m 0.1w 0.6,1.0,1.5,2.0KHz Average |
| Rated Power | 3.0 W | at 4.9 Vrms |
| Max Power | 3.0 W | at 4.9 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | 32 x 32 x H15.9 mm | |
| Weight (MAX) | 31.0 | |

HS3434DS0820 -H14.0



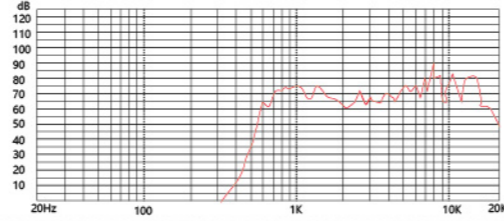
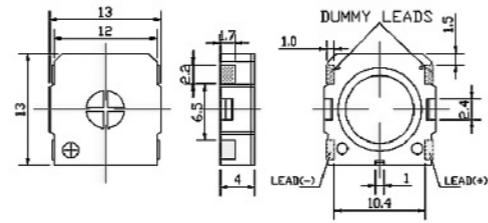
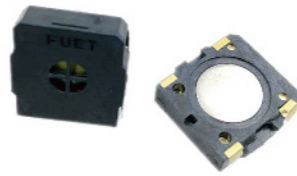
| Item | Specification | Testing Condition |
|-----------------|--------------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 260Hz±20% | Without Baffle |
| Output S.PL | 85±3dB | At 0.1m 0.1w 0.6,1.0,1.5,2.0KHz Average |
| Rated Power | 3.0 W | at 4.89 Vrms |
| Max Power | 3.5 W | at 5.29 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | 34 x 34 x H14.0 mm | |
| Weight (MAX) | 31.0 | |

HS5353DS08120 -H29.8



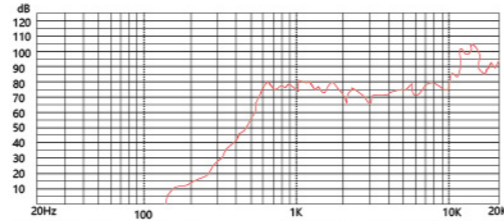
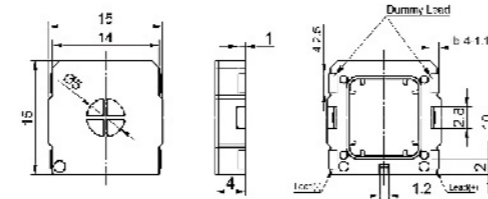
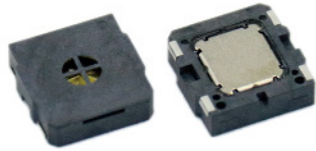
| Item | Specification | Testing Condition |
|-----------------|--------------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 165Hz±20% | Without Baffle |
| Output S.PL | 90±3dB | At 0.1m 0.1w 0.6,0.8,1.0,1.5KHz Average |
| Rated Power | 12.0 W | at 9.8 Vrms |
| Max Power | 15.0 W | at 11.0 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | 53 x 53 x H29.8 mm | |
| Weight (MAX) | 63.0 | |

HS-1340



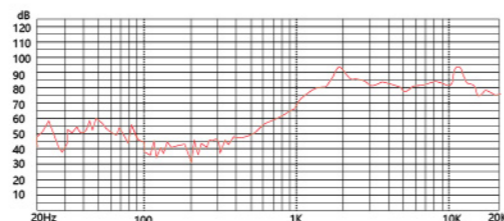
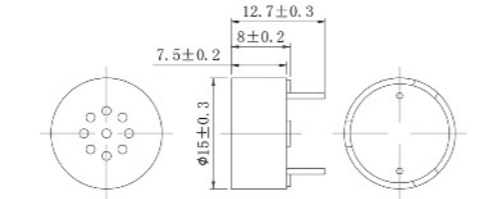
| Item | Specification | Testing Condition |
|-----------------|-------------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 850Hz±20% | Without Baffle |
| Output S.PL | 88±3dB | At 0.1m 0.5w 1.0,1.6, 2.0, 3.2KHz Average |
| Rated Power | 0.7 W | at 2.36 Vrms |
| Max Power | 1.0 W | at 2.83 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | 13 x 13 x H4.0 mm | |
| Weight (MAX) | 1.2 | |

HS-1540



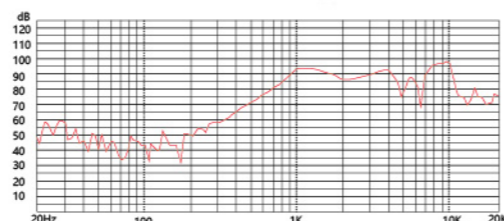
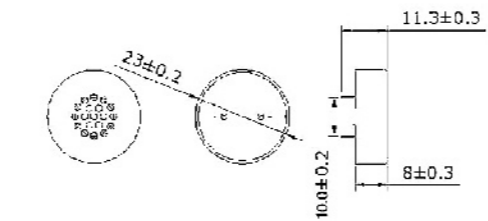
| Item | Specification | Testing Condition |
|-----------------|-------------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 800Hz±20% | Without Baffle |
| Output S.PL | 92±3dB | At 0.1m 0.8w k,1.6k,2.0k,3.2kHz Average |
| Rated Power | 0.8 W | at 2.52 Vrms |
| Max Power | 1.0 W | at 2.83 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | 15 x 15 x H4.0 mm | |
| Weight (MAX) | 1.5 | |

HS-1508



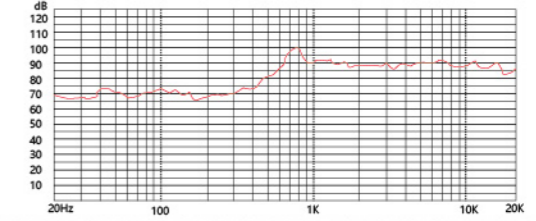
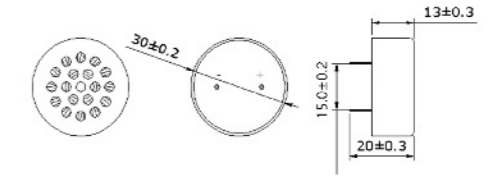
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 1800Hz±20% | Without Baffle |
| Output S.PL | 83±3dB | At 0.1m 0.1w 0.6,0.8,1.0,1.5KHz Average |
| Rated Power | 1.0 W | at 2.83 Vrms |
| Max Power | 1.2 W | at 3.1 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | Φ15 x H8.0 mm | |
| Weight (MAX) | 2.0 | |

HS-2308



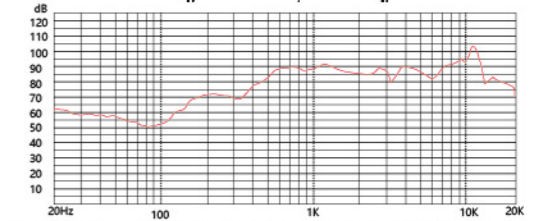
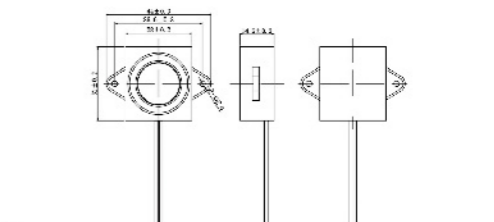
| Item | Specification | Testing Condition |
|-----------------|---------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 1000Hz±20% | Without Baffle |
| Output S.PL | 85±3dB | At 0.1m 0.1w 0.6,0.8,1.0,1.5KHz Average |
| Rated Power | 1.0 W | at 2.83 Vrms |
| Max Power | 1.5 W | at 3.46 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | Φ23 x H8.0 mm | |
| Weight (MAX) | 4.5 | |

HS-3013



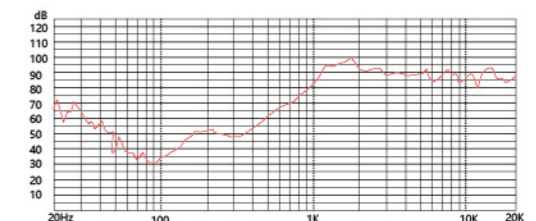
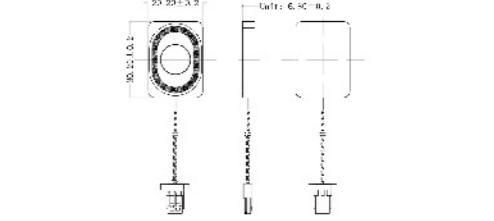
| Item | Specification | Testing Condition |
|-----------------|----------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 1200Hz±20% | Without Baffle |
| Output S.PL | 91±3dB | At 0.1m 0.1w 1.0,1.5,2.0,3.0KHz Average |
| Rated Power | 1.0 W | at 2.83 Vrms |
| Max Power | 1.5 W | at 3.46 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | Φ30 x H13.0 mm | |
| Weight (MAX) | 8.5 | |

HS3128NB0430-H14.6



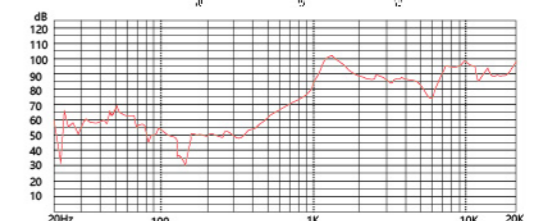
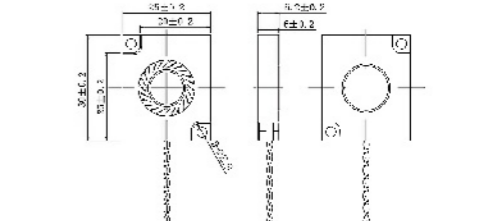
| Item | Specification | Testing Condition |
|-----------------|--------------------|---|
| Rated Imp | 4Ω ± 15% | |
| Resonance Freq | 560Hz±20% | Without Baffle |
| Output S.PL | 88±3dB | At 0.1m 0.8w k,1.6k,2.0k,3.2kHz Average |
| Rated Power | 3.0 W | at 3.47 Vrms |
| Max Power | 3.0 W | at 3.47 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | 31 x 28 x H14.6 mm | |
| Weight (MAX) | 25.0 | |

HS3020NB0820-H6.8



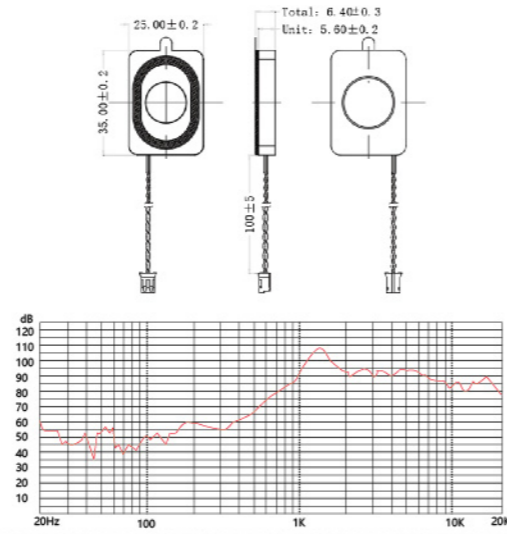
| Item | Specification | Testing Condition |
|-----------------|-------------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 1500Hz±20% | Without Baffle |
| Output S.PL | 87±3dB | At 0.1m 0.1w 1.0,1.5,2.0,3.0KHz Average |
| Rated Power | 2.0 W | at 4.0 Vrms |
| Max Power | 3.0 W | at 4.9 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | 30 x 20 x H6.8 mm | |
| Weight (MAX) | 4.0 | |

HS23MB0820-H6.2



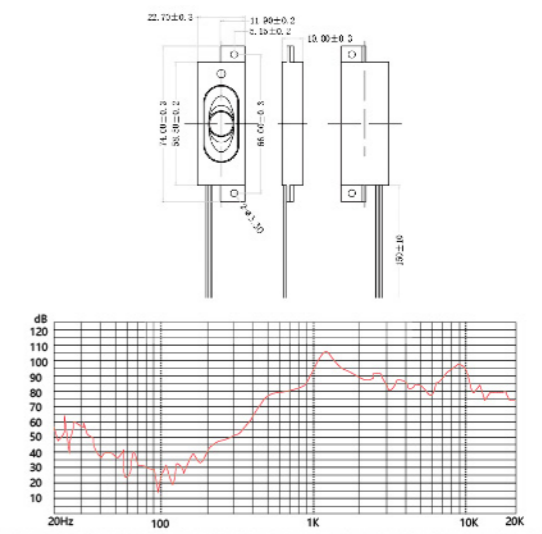
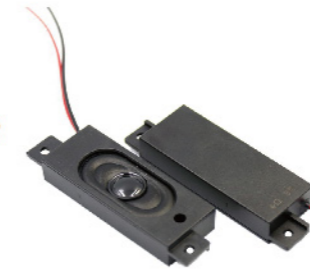
| Item | Specification | Testing Condition |
|-----------------|-------------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 1200Hz±20% | Without Baffle |
| Output S.PL | 89±3dB | At 0.1m 0.1w 1.0,1.5,2.0,3.0KHz Average |
| Rated Power | 2.0 W | at 4.0 Vrms |
| Max Power | 3.0 W | at 4.9 Vrms |
| Frequency Range | FO----6kHz | |
| Dimension | 30 x 25 x H6.2 mm | |
| Weight (MAX) | 5.3 | |

HS3525NB0430 -H6.4



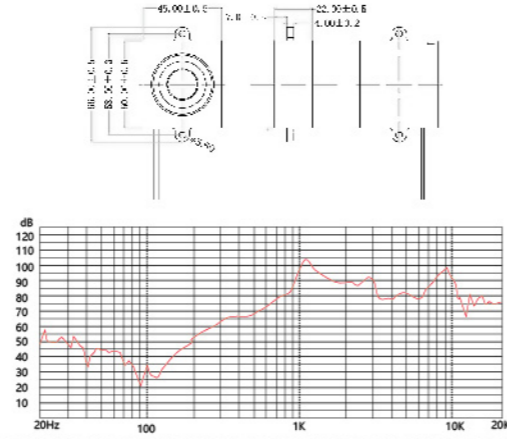
| Item | Specification | Testing Condition |
|-----------------|-------------------|---|
| Rated Imp | 4Ω ± 15% | |
| Resonance Freq | 1200Hz±20% | Without Baffle |
| Output S.PL | 92±3dB | At 0.1m 0.1w 1.0,1.5,2.0,3.0KHz Average |
| Rated Power | 3.0 W | at 3.47 Vrms |
| Max Power | 3.0 W | at 3.47 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | 35 x 25 x H6.4 mm | |
| Weight (MAX) | 7.0 | |

HS7423NB0430 -H10.0



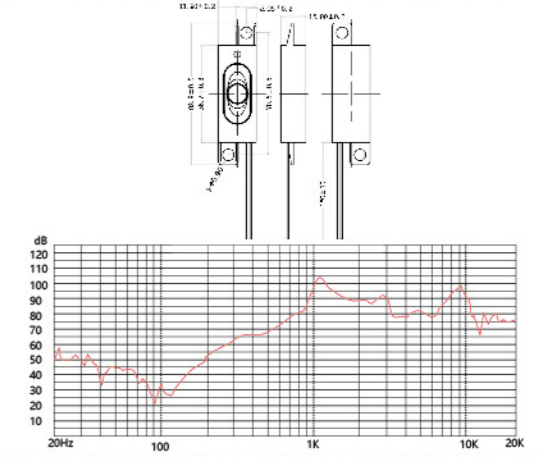
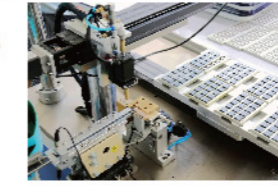
| Item | Specification | Testing Condition |
|-----------------|---------------------------------|---|
| Rated Imp | 4Ω ± 15% | |
| Resonance Freq | Fb: 500Hz±20% Fo: 1200Hz±20% | Without Baffle |
| Output S.PL | 90±3dB | At 0.1m 0.1w 0.6,0.8,1.0,1.5KHz Average |
| Rated Power | 3.0 W | at 3.47 Vrms |
| Max Power | 3.5 W | at 3.74 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | 74 x 23 x H10.0 mm | |
| Weight (MAX) | 16 | |

HS5045NB0850 -H22.0



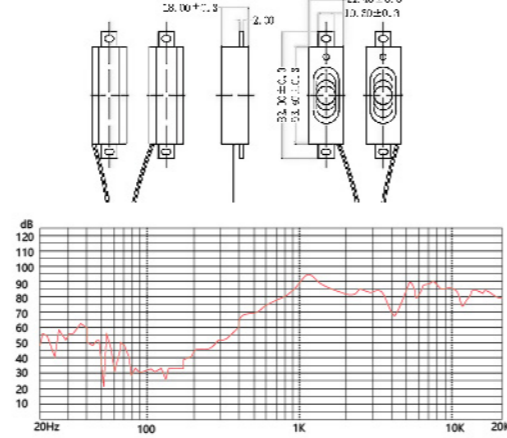
| Item | Specification | Testing Condition |
|-----------------|----------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | Fb: 125Hz±20% | Without Baffle |
| Output S.PL | 91±3dB | At 0.1m 0.1w 0.6,0.8,1.0,1.5KHz Average |
| Rated Power | 5.0 W | at 6.32 Vrms |
| Max Power | 6.0 W | at 6.93 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | Φ30 x H13.0 mm | |
| Weight (MAX) | 33.0 | |

HS8323NB0430 -H15.0



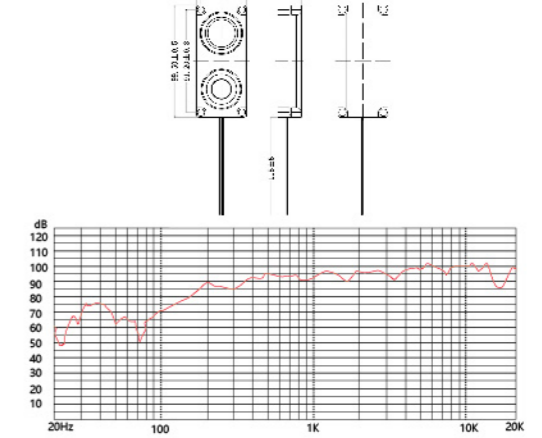
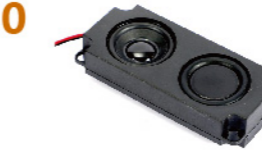
| Item | Specification | Testing Condition |
|-----------------|---------------------------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | Fb: 300Hz±20% Fo: 1050Hz±20% | Without Baffle |
| Output S.PL | 91±3dB | At 0.1m 0.1w 0.6,0.8,1.0,1.5KHz Average |
| Rated Power | 3.0 W | at 3.47 Vrms |
| Max Power | 3.5 W | at 3.74 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | 83 x 23 x H15.0 mm | |
| Weight (MAX) | 13.0 | |

HS6423NB0820 -H18.0



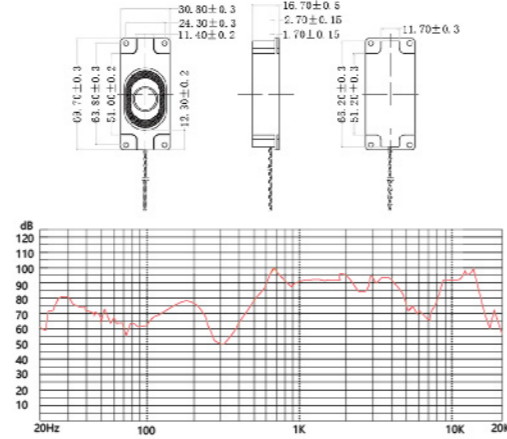
| Item | Specification | Testing Condition |
|-----------------|------------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 550Hz±20% | Without Baffle |
| Output S.PL | 90±3dB | At 0.1m 0.1w 0.6,0.8,1.0,1.2KHz Average |
| Rated Power | 2.0 W | at 4.0 Vrms |
| Max Power | 2.5 W | at 4.47 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | 63 x 23 x H18 mm | |
| Weight (MAX) | 16.0 | |

HS10045NB0850 -H20.8



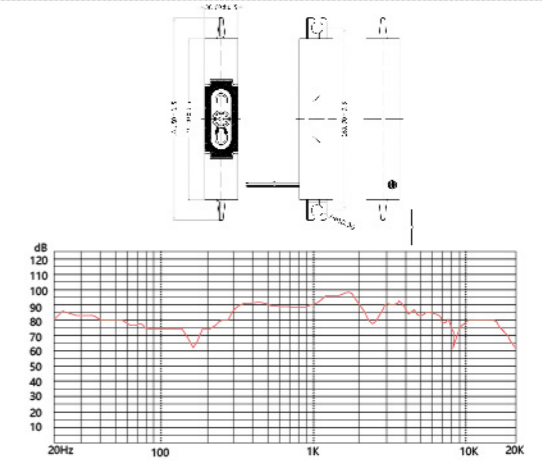
| Item | Specification | Testing Condition |
|-----------------|-------------------------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | Fb: 95Hz±20% Fo: 400Hz±20% | Without Baffle |
| Output S.PL | 90±3dB | At 0.1m 0.1w 0.6,0.8,1.0,1.5KHz Average |
| Rated Power | 5.0 W | at 6.32 Vrms |
| Max Power | 6.0 W | at 6.92 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | 100 x 45 x H20.8 mm | |
| Weight (MAX) | 44.0 | |

HS7030NB0430 -H16.7



| Item | Specification | Testing Condition |
|-----------------|--------------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | 650Hz±20% | Without Baffle |
| Output S.PL | 90±3dB | At 0.1m 0.1w 0.6,0.8,1.0,1.5KHz Average |
| Rated Power | 3.0 W | at 3.46 Vrms |
| Max Power | 3.5 W | at 3.74 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | 70 x 30 x H16.7 mm | |
| Weight (MAX) | 22.0 | |

HS14430NB0880 -H30



| Item | Specification | Testing Condition |
|-----------------|-------------------------------|---|
| Rated Imp | 8Ω ± 15% | |
| Resonance Freq | Fb: 95Hz±20% Fo: 350Hz±20% | Without Baffle |
| Output S.PL | 90±3dB | At 0.1m 0.1w 0.6,0.8,1.0,1.5KHz Average |
| Rated Power | 8.0 W | at 8.0 Vrms |
| Max Power | 8.0 W | at 8.0 Vrms |
| Frequency Range | FO----20kHz | |
| Dimension | 180 x 30 x H30.0 mm | |
| Weight (MAX) | | |



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