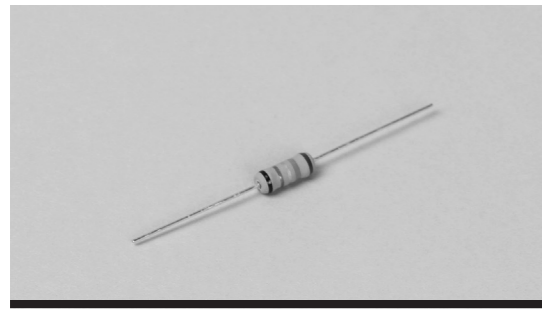
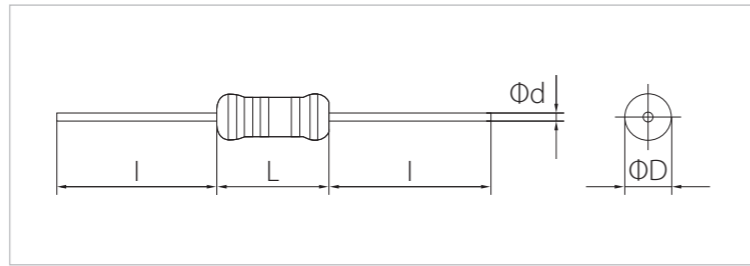


PRN Non-inductive Wire Wound Resistor

RoHS HF



● Dimension

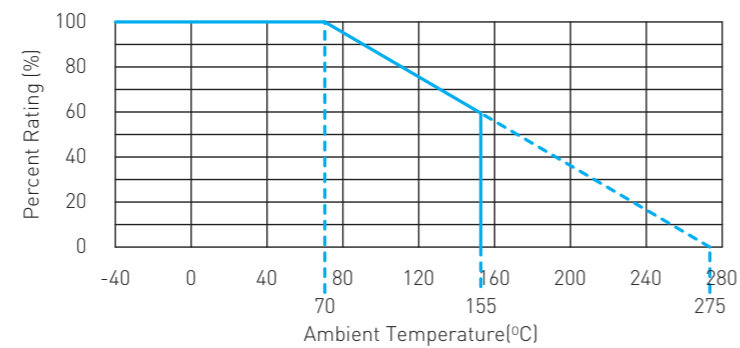


Type	Dimension (mm)			
	L ± 1.0	ΦD ± 0.5	l ± 3.0	Φd ± 0.02
1W	8.5	3.2	26.0	0.7
2W	11.0	4.0	28.0	0.8
3W	15.0	5.5	28.0	0.8

● Type Designation

PRN	01	T1	1R00	J
Products Code	Power Rating	Style	Nominal Resistance	Resistance Tolerance
	01: 1W 02: 2W 03: 3W	T: Axial Type F/L: Punching Type R: Forming Type	R100: 0.1Ω 1R00: 1Ω 10R0: 10Ω	G: ±2% J: ±5%

● Derating Curve



● Rating & Shape

Type	Resistance Range (Ω)	Resistance Tolerance (%)	Operating Temp. Range (°C)	Ambient Temperature (°C)	Shape				
					Axial Type		Punching Type		Forming Type
					52mm	63mm	F-	L-	R-
1W	0.1~10	G: ±2 J: ±5	-40~+155	70	○	-	○	○	○
2W	0.1~10				○	○	○	-	-
3W	0.1~10				-	○	○	-	-

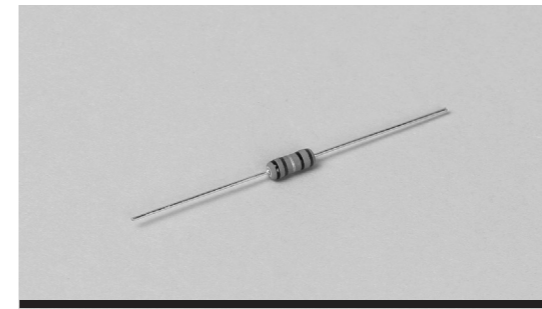
● Performance

Test Items	Performance Requirements	Test Methods
Resistance	With specified tolerance	Measure resistance at 25°C
T.C.R	±400PPM/°C	+25°C/+125°C
Short Time Overload	±[2%+0.1Ω]	Rated power × 10 for 5sec
Resistance Against Soldering Test	±[2%+0.05Ω]	260 ± 5°C, 2~2.5mm, 10 ± 1sec measure resistance After 1hr at room temp
Load Life in Moisture	±[3%+0.1Ω]	40 ± 2°C 90~95%RH, 1.5hr ON/0.5 OFF cycle, 1,000hr
Load Life in Temperature	±[3%+0.1Ω]	70 ± 2°C, 1.5hr ON/0.5 OFF cycle, 1,000hr

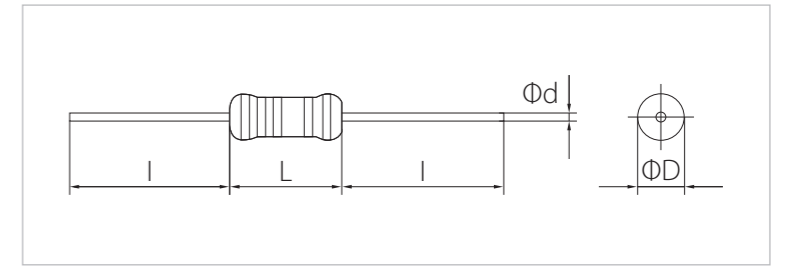
Specification given here in may be changed at any time without prior notice. Please confirm technical specifications before you order or use.

SMW Super Mini Wire Wound Resistor

RoHS HF



● Dimension



Type	Dimension (mm)			
	L ± 1.0	ΦD ± 0.5	l ± 3.0	Φd ± 0.02
2W	8.5	3.2	26.0	0.7
3W	11.0	4.0	28.0	0.8
5W	15.0	5.5	28.0	0.8

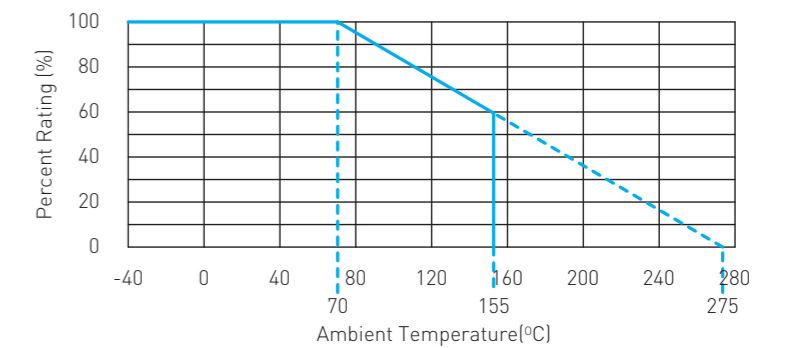
● Features

- Small size wire wound resistors.
- High performance for low cost.
- High-temperature silicon coating (flame proof).
- Excellent stability in operation.
- Available in non-inductive styles.

● Type Designation

SMW	01	T1	2R20	J
Products Code	Power Rating	Style	Nominal Resistance	Resistance Tolerance
	02: 2W 03: 3W 05: 5W	T: Axial Type F/L: Punching Type R/M: Forming Type	R100: 0.1Ω 1R00: 1Ω 10R0: 10Ω	F: ±1% G: ±2% J: ±5%

● Derating Curve



● Rating & Shape

Type	Resistance Range (Ω)	Resistance Tolerance (%)	Operating Temp. Range (°C)	Ambient Temperature (°C)	Shape					
					Axial Type		Punching Type		Forming Type	
					52mm	63mm	F-	L-	R-	M-
1W	0.1~10	F: ±1	-40~+155	70	○	-	○	○	○	○
2W	0.1~10	G: ±2			-	○	○	-	-	
3W	0.1~10	J: ±5			-	○	○	○	-	○

● Performance

Test Items	Performance Requirements	Test Methods
Resistance	With specified tolerance	Measure resistance at 25°C
T.C.R	±400PPM/°C	+25°C/+125°C
Short Time Overload	±[2%+0.1Ω]	Rated power × 10 for 5sec
Resistance Against Soldering Test	±[2%+0.05Ω]	260 ± 5°C, 2~2.5mm, 10 ± 1sec measure resistance After 1hr at room temp
Load Life in Moisture	±[3%+0.1Ω]	40 ± 2°C 90~95%RH, 1.5hr ON/0.5 OFF cycle, 1,000hr
Load Life in Temperature	±[3%+0.1Ω]	70 ± 2°C, 1.5hr ON/0.5 OFF cycle, 1,000hr

Specification given here in may be changed at any time without prior notice. Please confirm technical specifications before you order or use.