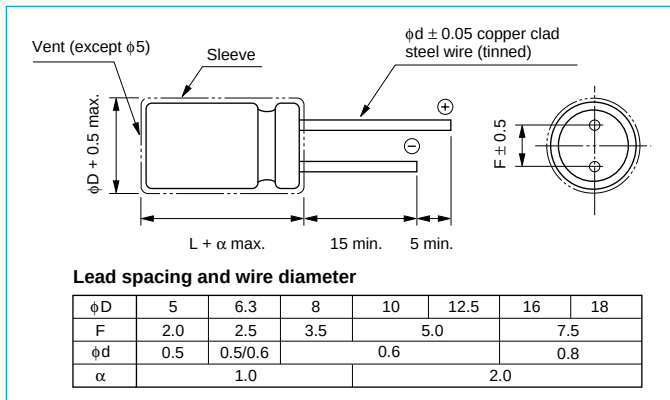


RJJ Miniature Aluminum Electrolytic Capacitors

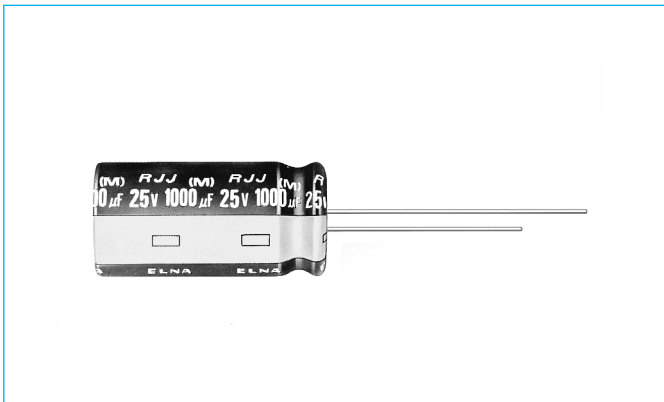
Series RJJ High-Frequency, Low Impedance, Standard Type

- For high reliability applications, Environmentally safe.
- High-frequency, Low-impedance, Standard product.
- Guaranteed for 5000 hours at 105°C (2000 hours for $\phi 5$ to $\phi 6.3$)
(3000 hours for $\phi 8$ to $\phi 10$)

Outline Drawing



Photo



Specifications

Unit: mm

No.	Item	Performance																													
1	Temperature range (°C)	-55 to +105																													
2	Leakage current (μA)	Less than 0.01 CV + 2 (after two minutes) C: Capacitance (μF), V Voltage (V)																													
3	Capacitance tolerance (%)	±20 (20°C, 120 Hz)																													
4	Tangent of loss angle (tan δ)	<table><tr><td>Rated voltage (V)</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>100</td></tr><tr><td>tan δ</td><td>0.22</td><td>0.19</td><td>0.16</td><td>0.14</td><td>0.12</td><td>0.10</td><td>0.08</td><td>0.07</td></tr></table> 0.02 is added to each 1000μF increase over 1000μF (20°C,120 Hz)	Rated voltage (V)	6.3	10	16	25	35	50	63	100	tan δ	0.22	0.19	0.16	0.14	0.12	0.10	0.08	0.07											
Rated voltage (V)	6.3	10	16	25	35	50	63	100																							
tan δ	0.22	0.19	0.16	0.14	0.12	0.10	0.08	0.07																							
5	Stability at low temperature	<table><tr><td colspan="2">Rated voltage (V)</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>100</td></tr><tr><td rowspan="2">Impedance ratio</td><td>Z-25°C/Z+20°C</td><td colspan="8">2</td></tr><tr><td>Z-55°C/Z+20°C</td><td colspan="8">3</td></tr></table> (120 Hz)	Rated voltage (V)		6.3	10	16	25	35	50	63	100	Impedance ratio	Z-25°C/Z+20°C	2								Z-55°C/Z+20°C	3							
Rated voltage (V)		6.3	10	16	25	35	50	63	100																						
Impedance ratio	Z-25°C/Z+20°C	2																													
	Z-55°C/Z+20°C	3																													
6	Endurance (105°C) (Applied ripple current)	<table><tr><td>Test time</td><td>5000 hrs (φ5 to φ6.3 2000 hrs, φ8 to φ10 is 3000 hrs)</td></tr><tr><td>Leakage current</td><td>Initial specified value or less</td></tr><tr><td>Change in capacitance</td><td>Within ±20% of initial value</td></tr><tr><td>tan δ</td><td>200% or less of initial specified value</td></tr></table>	Test time	5000 hrs (φ5 to φ6.3 2000 hrs, φ8 to φ10 is 3000 hrs)	Leakage current	Initial specified value or less	Change in capacitance	Within ±20% of initial value	tan δ	200% or less of initial specified value																					
Test time	5000 hrs (φ5 to φ6.3 2000 hrs, φ8 to φ10 is 3000 hrs)																														
Leakage current	Initial specified value or less																														
Change in capacitance	Within ±20% of initial value																														
tan δ	200% or less of initial specified value																														
7	Max. storage temp. (105°C)	<table><tr><td>Test time</td><td>1000 hrs</td></tr><tr><td>Leakage current</td><td>Initial specified value or less</td></tr><tr><td>Change in capacitance</td><td>Within ±15% of initial value</td></tr><tr><td>tan δ</td><td>150% or less of initial specified value</td></tr></table> Voltage application treatment.	Test time	1000 hrs	Leakage current	Initial specified value or less	Change in capacitance	Within ±15% of initial value	tan δ	150% or less of initial specified value																					
Test time	1000 hrs																														
Leakage current	Initial specified value or less																														
Change in capacitance	Within ±15% of initial value																														
tan δ	150% or less of initial specified value																														
8	Applicable Standards	JIS C 5101-1, 5101-4 1998 (IEC 60384-1 1992, 60384-4 1985)																													

Coefficients of Frequency for Ripple Current

Capacitance (μF) \ Frequency (Hz)	120	1 k	10 k	100 k
0.47 to 4.7	0.40	0.68	0.78	1
5.6 to 47	0.50	0.76	0.87	1
56 to 270	0.70	0.85	0.90	1
330 to 1000	0.80	0.93	0.98	1
1200 to 15000	0.90	0.95	1	1

Coefficients of Temperature for Ripple Current

Temperature (°C)	+70 or less	+85	+105
Coefficients	1.96	1.68	1

RJJ Miniature Aluminum Electrolytic Capacitors

Case size by working voltage & capacitance (in mm)

(mm)

WV(V) Cap.(μF)	6.3	10	16	25	35	50	63	100
0.47						5 x 11.5		
1						5 x 11.5		
2.2						5 x 11.5		
3.3						5 x 11.5		
4.7						5 x 11.5		
5.6								5 x 11.5
8.2								5 x 15
10						5 x 11.5		
12							5 x 11.5	6.3 x 11.5
18						5 x 11.5	5 x 15	6.3 x 15
22								8 x 12
27					5 x 11.5	5 x 15	6.3 x 11.5	10 x 12.5
33								8 x 15 / 10 x 16
39				5 x 11.5	5 x 15	6.3 x 11.5	6.3 x 15	8 x 20
47							8 x 12	
56			5 x 11.5	5 x 15	6.3 x 11.5	6.3 x 15	10 x 12.5	10 x 20
68						8 x 12	8 x 15 / 10 x 16	10 x 25 / 12.5 x 15
82		5 x 11.5	5 x 15	6.3 x 11.5	6.3 x 15	8 x 15 / 10 x 12.5	8 x 20	
100	5 x 11.5				8 x 12	10 x 16		10 x 30 / 12.5 x 20
120		5 x 15	6.3 x 11.5	6.3 x 15	10 x 12.5	8 x 20	10 x 20	12.5 x 25 / 16 x 16
150	5 x 15			8 x 12	8 x 15		10 x 25 / 12.5 x 15	18 x 16
180		6.3 x 11.5	6.3 x 15	10 x 12.5	10 x 16	10 x 20 / 12.5 x 15	10 x 30	12.5 x 30 / 16 x 20
220	6.3 x 11.5		8 x 12	8 x 15	8 x 20	10 x 25	12.5 x 20 / 16 x 16	12.5 x 35 / 16 x 25
270		6.3 x 15	10 x 12.5	8 x 20 / 10 x 16			12.5 x 25	12.5 x 40 / 18 x 20
330	6.3 x 15	8 x 12	8 x 15		10 x 20 / 12.5 x 15	10x30/12.5x20/16x16	18 x 16	16 x 31.5 / 18 x 25
390	8 x 12	10 x 12.5	10 x 16		10 x 25		12.5 x 30 / 16 x 20	16 x 35.5 / 18 x 31.5
470	10 x 12.5	8 x 15	8 x 20	10 x 20 / 12.5 x 15	10 x 30	12.5 x 25 / 18 x 16	12.5 x 35 / 16 x 25	16 x 40
560	8 x 15	8 x 20 / 10 x 16		10 x 25	12.5 x 20 / 16 x 16	12.5 x 30	12.5 x 40 / 18 x 20	18 x 35.5
680	10 x 16		10 x 20 / 12.5 x 15	10 x 30	12.5 x 25	12.5 x 35 / 16 x 20	16 x 31.5 / 18 x 25	18 x 40
820	8 x 20	10 x 20	10 x 25	12.5 x 20 / 16 x 16	18 x 16	12.5x40/16x25/18x20	16 x 35.5 / 18 x 31.5	
1000		12.5 x 15	10 x 30	12.5 x 25	12.5 x 30 / 16 x 20	16 x 31.5 / 18 x 25	16 x 40 / 18 x 35.5	
1200	10 x 20 / 12.5 x 15	10 x 25	12.5 x 20 / 16 x 16	18 x 16	12.5 x 35 / 16 x 25	16 x 35.5	18 x 40	
1500	10 x 25	10 x 30 / 16 x 16	12.5 x 25 / 18 x 16	12.5 x 30 / 16 x 20	12.5 x 40 / 18 x 20	16 x 40 / 18 x 31.5		
1800		12.5 x 20		12.5 x 35 / 16 x 25	16 x 31.5 / 18 x 25	18 x 35.5		
2200	10 x30/12.5x20/16x16	12.5 x 25 / 18 x 16	12.5 x 30 / 16 x 20	12.5 x 40 / 18 x 20	16 x 35.5 / 18 x 31.5	18 x 40		
2700	12.5 x 25	12.5 x 30	12.5 x 35 / 16 x 25	16 x 31.5 / 18 x 25	16 x 40 / 18 x 35.5			
3300	18 x 16	12.5 x 35 / 16 x 20	12.5 x 40 / 18 x 20	16 x 35.5 / 18 x 31.5	18 x 40			
3900	12.5 x 30 / 16 x 20	12.5x40/16x25/18x20	16 x 31.5 / 18 x 25	16 x 40 / 18 x 35.5				
4700	12.5 x 35	16 x 31.5 / 18 x 25	16 x 35.5 / 18 x 31.5	18 x 40				
5600	12.5x40/16x25/18x20		16 x 40					
6800	16 x 31.5 / 18 x 25	16 x 35.5 / 18 x 31.5	18 x 35.5					
8200	16 x 35.5	16 x 40 / 18 x 35.5	18 x 40					
10000	16 x 40 / 18 x 31.5	18 x 40						
12000	18 x 35.5							
15000	18 x 40							

Radial Type

RJJ

RJJ Miniature Aluminum Electrolytic Capacitors

Standard Ratings

ELNA PART NO. / WV (V)	CAP. (μF)	SIZE (φx L) (mm)	tan δ	IMPEDANCE (Ω)		Rip Cur. (mA _{rms})
				20°C	-10°C	
6.3 V						
RJJ-6V101ME3E	100	5 x 11.5	0.22	1.1	2.7	175
RJJ-6V151ME4E	150	5 x 15	0.22	0.78	1.9	235
RJJ-6V221MF3E	220	6.3 x 11.5	0.22	0.51	1.2	290
RJJ-6V331MF4E	330	6.3 x 15	0.22	0.34	0.85	400
RJJ-6V391MG3E	390	8 x 12	0.22	0.25	0.63	488
RJJ-6V471MH3E	470	10 x 12.5	0.22	0.18	0.45	613
RJJ-6V561MG4E	560	8 x 15	0.22	0.19	0.48	617
RJJ-6V681MH4E	680	10 x 16	0.22	0.14	0.35	734
RJJ-6V821MG5E	820	8 x 20	0.22	0.14	0.35	800
RJJ-6V122MH5E	1200	10 x 20	0.22	0.098	0.24	1010
RJJ-6V122MI4E	1200	12.5 x 15	0.22	0.098	0.24	1010
RJJ-6V152MH6E	1500	10 x 25	0.22	0.083	0.20	1190
RJJ-6V222MH7E	2200	10 x 30	0.24	0.068	0.16	1440
RJJ-6V222MI5E	2200	12.5 x 20	0.24	0.063	0.15	1400
RJJ-6V222MGJ4E	2200	16 x 16	0.24	0.069	0.17	1310
RJJ-6V272MI6E	2700	12.5 x 25	0.24	0.057	0.14	1690
RJJ-6V332MGK4E	3300	18 x 16	0.26	0.065	0.16	1460
RJJ-6V392MI7E	3900	12.5 x 30	0.26	0.048	0.12	1950
RJJ-6V392MGJ5E	3900	16 x 20	0.26	0.051	0.12	1660
RJJ-6V472MI8E	4700	12.5 x 35	0.28	0.042	0.10	2220
RJJ-6V562MI9E	5600	12.5 x 40	0.30	0.039	0.098	2390
RJJ-6V562MGJ6E	5600	16 x 25	0.30	0.042	0.10	2070
RJJ-6V562MGK5E	5600	18 x 20	0.30	0.045	0.11	1850
RJJ-6V682MGJ7E	6800	16 x 31.5	0.32	0.038	0.094	2350
RJJ-6V682MGK6E	6800	18 x 25	0.32	0.041	0.10	2120
RJJ-6V822MGJ8E	8200	16 x 35.5	0.36	0.033	0.083	2550
RJJ-6V103MGJ9E	10000	16 x 40	0.38	0.030	0.075	2970
RJJ-6V103MGK7E	10000	18 x 31.5	0.38	0.035	0.086	2410
RJJ-6V123MGK8E	12000	18 x 35.5	0.42	0.029	0.071	2680
RJJ-6V153MGK9E	15000	18 x 40	0.48	0.027	0.068	3010
10 V						
RJJ-10V820ME3E	82	5 x 11.5	0.19	1.1	2.7	175
RJJ-10V121ME4E	120	5 x 15	0.19	0.78	1.9	235
RJJ-10V181MF3E	180	6.3 x 11.5	0.19	0.52	1.3	290
RJJ-10V271MF4E	270	6.3 x 15	0.19	0.34	0.85	400
RJJ-10V331MG3E	330	8 x 12	0.19	0.25	0.63	490

ELNA PART NO. / WV (V)	CAP. (μF)	SIZE (φ x L) (mm)	tan δ	IMPEDANCE (Ω)		Rip Cur. (mA rms)
				20°C	-10°C	
RJJ-10V391MH3E	390	10 x 12.5	0.19	0.18	0.45	620
RJJ-10V471MG4E	470	8 x 15	0.19	0.19	0.48	575
RJJ-10V561MG5E	560	8 x 20	0.19	0.14	0.35	807
RJJ-10V561MH4E	560	10 x 16	0.19	0.14	0.35	795
RJJ-10V821MH5E	820	10 x 20	0.19	0.090	0.22	1010
RJJ-10V102MI4E	1000	12.5 x 15	0.19	0.098	0.24	1010
RJJ-10V122MH6E	1200	10 x 25	0.19	0.083	0.20	1190
RJJ-10V152MH7E	1500	10 x 30	0.19	0.068	0.16	1440
RJJ-10V152MGJ4E	1500	16 x 16	0.19	0.069	0.17	1320
RJJ-10V182MI5E	1800	12.5 x 20	0.19	0.063	0.15	1400
RJJ-10V222MI6E	2200	12.5 x 25	0.21	0.054	0.13	1690
RJJ-10V222MGK4E	2200	18 x 16	0.21	0.065	0.16	1480
RJJ-10V272MI7E	2700	12.5 x 30	0.21	0.048	0.12	1950
RJJ-10V332MI8E	3300	12.5 x 35	0.23	0.042	0.10	2200
RJJ-10V332MGJ5E	3300	16 x 20	0.23	0.051	0.12	1730
RJJ-10V392MI9E	3900	12.5 x 40	0.23	0.038	0.094	2390
RJJ-10V392MGJ6E	3900	16 x 25	0.23	0.042	0.10	2070
RJJ-10V392MGK5E	3900	18 x 20	0.23	0.045	0.11	1860
RJJ-10V472MGJ7E	4700	16 x 31.5	0.25	0.038	0.094	2280
RJJ-10V472MGK6E	4700	18 x 25	0.25	0.041	0.10	2150
RJJ-10V682MGJ8E	6800	16 x 35.5	0.29	0.033	0.083	2550
RJJ-10V682MGK7E	6800	18 x 31.5	0.29	0.035	0.086	2440
RJJ-10V822MGJ9E	8200	16 x 40	0.33	0.030	0.075	2900
RJJ-10V822MGK8E	8200	18 x 35.5	0.33	0.029	0.071	2700
RJJ-10V103MGK9E	10000	18 x 40	0.35	0.027	0.068	3030
16 V						
RJJ-16V560ME3E	56	5 x 11.5	0.16	1.1	2.7	175
RJJ-16V820ME4E	82	5 x 15	0.16	0.78	1.9	235
RJJ-16V121MF3E	120	6.3 x 11.5	0.16	0.52	1.3	290
RJJ-16V181MF4E	180	6.3 x 15	0.16	0.34	0.85	400
RJJ-16V221MG3E	220	8 x 12	0.16	0.25	0.63	501
RJJ-16V271MH3E	270	10 x 12.5	0.16	0.19	0.48	625
RJJ-16V331MG4E	330	8 x 15	0.16	0.19	0.48	575
RJJ-16V391MH4E	390	10 x 16	0.16	0.13	0.33	795
RJJ-16V471MG5E	470	8 x 20	0.16	0.14	0.35	760
RJJ-16V681MH5E	680	10 x 20	0.16	0.098	0.24	1010
RJJ-16V681MI4E	680	12.5 x 15	0.16	0.098	0.24	1010

Note: Impedance 100 kHz

Allowable Ripple Current 100 kHz at 105°C

RJJ Miniature Aluminum Electrolytic Capacitors

Standard Ratings

ELNA PART NO. / WV (V)	CAP. (μ F)	SIZE (ϕ x L) (mm)	tan δ	IMPEDANCE (Ω)		Rip Cur. (mA rms)
				20°C	-10°C	
RJJ-16V821MH6E	820	10 x 25	0.16	0.083	0.20	1190
RJJ-16V102MH7E	1000	10 x 30	0.16	0.071	0.17	1430
RJJ-16V122MI5E	1200	12.5 x 20	0.16	0.063	0.15	1400
RJJ-16V122MGJ4E	1200	16 x 16	0.16	0.069	0.17	1340
RJJ-16V152MI6E	1500	12.5 x 25	0.16	0.057	0.14	1690
RJJ-16V152MGK4E	1500	18 x 16	0.16	0.065	0.16	1490
RJJ-16V222MI7E	2200	12.5 x 30	0.18	0.048	0.12	1950
RJJ-16V222MGJ5E	2200	16 x 20	0.18	0.051	0.12	1730
RJJ-16V272MI8E	2700	12.5 x 35	0.18	0.042	0.10	2200
RJJ-16V272MGJ6E	2700	16 x 25	0.18	0.042	0.10	2070
RJJ-16V332MI9E	3300	12.5 x 40	0.20	0.039	0.098	2390
RJJ-16V332MGK5E	3300	18 x 20	0.20	0.045	0.11	1870
RJJ-16V392MGJ7E	3900	16 x 31.5	0.20	0.038	0.094	2350
RJJ-16V392MGK6E	3900	18 x 25	0.20	0.041	0.10	2160
RJJ-16V472MGJ8E	4700	16 x 35.5	0.22	0.033	0.083	2550
RJJ-16V472MGK7E	4700	18 x 31.5	0.22	0.035	0.086	2450
RJJ-16V562MGJ9E	5600	16 x 40	0.24	0.029	0.073	2900
RJJ-16V682MGK8E	6800	18 x 35.5	0.26	0.029	0.071	2730
RJJ-16V822MGK9E	8200	18 x 40	0.30	0.027	0.068	3060
25 V						
RJJ-25V390ME3E	39	5 x 11.5	0.14	1.1	2.7	175
RJJ-25V560ME4E	56	5 x 15	0.14	0.78	1.9	235
RJJ-25V820MF3E	82	6.3 x 11.5	0.14	0.52	1.3	290
RJJ-25V121MF4E	120	6.3 x 15	0.14	0.34	0.85	400
RJJ-25V151MG3E	150	8 x 12	0.14	0.25	0.63	503
RJJ-25V181MH3E	180	10 x 12.5	0.14	0.18	0.45	629
RJJ-25V221MG4E	220	8 x 15	0.14	0.19	0.48	575
RJJ-25V271MG5E	270	8 x 20	0.14	0.14	0.35	751
RJJ-25V271MH4E	270	10 x 16	0.14	0.13	0.33	795
RJJ-25V471MH5E	470	10 x 20	0.14	0.098	0.24	1010
RJJ-25V471MI4E	470	12.5 x 15	0.14	0.098	0.24	1010
RJJ-25V561MH6E	560	10 x 25	0.14	0.083	0.20	1190
RJJ-25V681MH7E	680	10 x 30	0.14	0.068	0.16	1440
RJJ-25V821MI5E	820	12.5 x 20	0.14	0.063	0.15	1400
RJJ-25V821MGJ4E	820	16 x 16	0.14	0.069	0.17	1360
RJJ-25V102MI6E	1000	12.5 x 25	0.14	0.054	0.13	1690
RJJ-25V122MGK4E	1200	18 x 15	0.14	0.065	0.16	1500

ELNA PART NO. / WV (V)	CAP. (μ F)	SIZE (ϕ x L) (mm)	tan δ	IMPEDANCE (Ω)		Rip Cur. (mA rms)
				20°C	-10°C	
RJJ-25V152MI7E	1500	12.5 x 30	0.14	0.045	0.11	1950
RJJ-25V152MGJ5E	1500	16 x 20	0.14	0.051	0.12	1730
RJJ-25V182MI8E	1800	12.5 x 35	0.14	0.042	0.10	2200
RJJ-25V182MGJ6E	1800	16 x 25	0.14	0.042	0.10	2070
RJJ-25V222MI9E	2200	12.5 x 40	0.16	0.036	0.090	2390
RJJ-25V222MGK5E	2200	18 x 20	0.16	0.054	0.13	1890
RJJ-25V272MGJ7E	2700	16 x 31.5	0.16	0.038	0.094	2350
RJJ-25V272MGK6E	2700	18 x 25	0.16	0.041	0.10	2180
RJJ-25V332MGJ8E	3300	16 x 35.5	0.18	0.033	0.083	2550
RJJ-25V332MGK7E	3300	18 x 31.5	0.18	0.035	0.086	2470
RJJ-25V392MGJ9E	3900	16 x 40	0.18	0.029	0.073	2900
RJJ-25V392MGK8E	3900	18 x 35.5	0.18	0.029	0.071	2740
RJJ-25V472MGK9E	4700	18 x 40	0.20	0.027	0.068	3070
35 V						
RJJ-35V270ME3E	27	5 x 11.5	0.12	1.1	2.7	175
RJJ-35V390ME4E	39	5 x 15	0.12	0.78	1.9	235
RJJ-35V560MF3E	56	6.3 x 11.5	0.12	0.52	1.3	290
RJJ-35V820MF4E	82	6.3 x 15	0.12	0.34	0.85	400
RJJ-35V101MG3E	100	8 x 12	0.12	0.25	0.63	506
RJJ-35V121MH3E	120	10 x 12.5	0.12	0.18	0.45	634
RJJ-35V151MG4E	150	8 x 15	0.12	0.19	0.48	637
RJJ-35V181MH4E	180	10 x 16	0.12	0.14	0.35	795
RJJ-35V221MG5E	220	8 x 20	0.12	0.14	0.35	760
RJJ-35V331MH5E	330	10 x 20	0.12	0.098	0.24	1010
RJJ-35V331MI4E	330	12.5 x 15	0.12	0.098	0.24	1010
RJJ-35V391MH6E	390	10 x 25	0.12	0.083	0.20	1190
RJJ-35V471MH7E	470	10 x 30	0.12	0.068	0.16	1450
RJJ-35V561MI5E	560	12.5 x 20	0.12	0.063	0.15	1400
RJJ-35V561MGJ4E	560	16 x 16	0.12	0.069	0.17	1360
RJJ-35V681MI6E	680	12.5 x 25	0.12	0.057	0.14	1690
RJJ-35V821MGK4E	820	18 x 16	0.12	0.065	0.16	1520
RJJ-35V102MI7E	1000	12.5 x 30	0.12	0.048	0.12	1950
RJJ-35V102MGJ5E	1000	16 x 20	0.12	0.051	0.12	1730
RJJ-35V122MI8E	1200	12.5 x 35	0.12	0.042	0.10	2200
RJJ-35V122MGJ6E	1200	16 x 25	0.12	0.042	0.10	2070
RJJ-35V152MI9E	1500	12.5 x 40	0.12	0.039	0.098	2390
RJJ-35V152MGK5E	1500	18 x 20	0.12	0.053	0.13	1900

Note: Impedance 100 kHz
Allowable Ripple Current 100 kHz at 105°C

RJJ Miniature Aluminum Electrolytic Capacitors

Standard Ratings

ELNA PART NO. / WV (V)	CAP. (μF)	SIZE (φ x L) (mm)	tan δ	IMPEDANCE (Ω)		Rip Cur. (mAmps)
				20°C	-10°C	
RJJ-35V182MGJ7E	1800	16 x 31.5	0.12	0.038	0.094	2350
RJJ-35V182MGK6E	1800	18 x 25	0.12	0.041	0.10	2200
RJJ-35V222MGJ8E	2200	16 x 35.5	0.14	0.033	0.083	2550
RJJ-35V222MGK7E	2200	18 x 31.5	0.14	0.035	0.086	2490
RJJ-35V272MGJ9E	2700	16 x 40	0.14	0.027	0.068	2900
RJJ-35V272MGK8E	2700	18 x 35.5	0.14	0.029	0.071	2770
RJJ-35V332MGK9E	3300	18 x 40	0.16	0.025	0.063	3110
50 V						
RJJ-50VR47ME3E	0.47	5 x 11.5	0.10	4.6	11.7	18
RJJ-50V010ME3E	1	5 x 11.5	0.10	4.2	10.5	28
RJJ-50V2R2ME3E	2.2	5 x 11.5	0.10	3.6	9.0	42
RJJ-50V3R3ME3E	3.3	5 x 11.5	0.10	3.1	7.8	52
RJJ-50V4R7ME3E	4.7	5 x 11.5	0.10	2.6	6.6	65
RJJ-50V100ME3E	10	5 x 11.5	0.10	1.6	4.2	94
RJJ-50V180ME3E	18	5 x 11.5	0.10	1.1	2.8	120
RJJ-50V270ME4E	27	5 x 15	0.10	0.66	1.6	135
RJJ-50V390MF3E	39	6.3 x 11.5	0.10	0.43	1.0	148
RJJ-50V560MF4E	56	6.3 x 15	0.10	0.33	0.84	153
RJJ-50V680MG3E	68	8 x 12	0.10	0.24	0.60	360
RJJ-50V820MG4E	82	8 x 15	0.10	0.21	0.54	460
RJJ-50V820MH3E	82	10 x 12.5	0.10	0.21	0.54	443
RJJ-50V101MH4E	100	10 x 16	0.10	0.18	0.45	553
RJJ-50V121MG5E	120	8 x 20	0.10	0.15	0.39	670
RJJ-50V181MH5E	180	10 x 20	0.10	0.10	0.25	676
RJJ-50V181MI4E	180	12.5 x 15	0.10	0.11	0.28	745
RJJ-50V221MH6E	220	10 x 25	0.10	0.090	0.22	876
RJJ-50V331MH7E	330	10 x 30	0.10	0.066	0.16	1010
RJJ-50V331MI5E	330	12.5 x 20	0.10	0.072	0.18	979
RJJ-50V331MGJ4E	330	16 x 16	0.10	0.078	0.19	982
RJJ-50V471MI6E	470	12.5 x 25	0.10	0.053	0.13	1180
RJJ-50V471MGK4E	470	18 x 16	0.10	0.058	0.14	1180
RJJ-50V561MI7E	560	12.5 x 30	0.10	0.048	0.12	1310
RJJ-50V681MI8E	680	12.5 x 35	0.10	0.043	0.10	1470
RJJ-50V681MGJ5E	680	16 x 20	0.10	0.054	0.13	1210
RJJ-50V821MI9E	820	12.5 x 40	0.10	0.041	0.10	1590
RJJ-50V821MGJ6E	820	16 x 25	0.10	0.046	0.11	1490
RJJ-50V821MGK5E	820	18 x 20	0.10	0.043	0.10	1450

ELNA PART NO. / WV (V)	CAP. (μF)	SIZE (φ x L) (mm)	tan δ	IMPEDANCE (Ω)		Rip Cur. (mAmps)
				20°C	-10°C	
RJJ-50V102MGJ7E	1000	16 x 31.5	0.10	0.038	0.096	1890
RJJ-50V102MGK6E	1000	18 x 25	0.10	0.038	0.096	1720
RJJ-50V122MGJ8E	1200	16 x 35.5	0.10	0.034	0.084	2140
RJJ-50V152MGJ9E	1500	16 x 40	0.10	0.031	0.078	2410
RJJ-50V152MGK7E	1500	18 x 31.5	0.10	0.031	0.078	1970
RJJ-50V182MGK8E	1800	18 x 35.5	0.10	0.030	0.075	2310
RJJ-50V222MGK9E	2200	18 x 40	0.12	0.029	0.072	2530
63 V						
RJJ-63V120ME3E	12	5 x 11.5	0.08	1.2	3.6	120
RJJ-63V180ME4E	18	5 x 15	0.08	0.85	2.6	135
RJJ-63V270MF3E	27	6.3 x 11.5	0.08	0.55	1.7	148
RJJ-63V390MF4E	39	6.3 x 15	0.08	0.38	1.1	153
RJJ-63V470MG3E	47	8 x 12	0.08	0.32	0.96	360
RJJ-63V560MH3E	56	10 x 12.5	0.08	0.23	0.69	448
RJJ-63V680MG4E	68	8 x 15	0.08	0.24	0.72	469
RJJ-63V680MH4E	68	10 x 16	0.08	0.17	0.51	553
RJJ-63V820MG5E	82	8 x 20	0.08	0.17	0.51	682
RJJ-63V121MH5E	120	10 x 20	0.08	0.12	0.36	676
RJJ-63V151MH6E	150	10 x 25	0.08	0.10	0.30	876
RJJ-63V151MI4E	150	12.5 x 15	0.08	0.11	0.33	745
RJJ-63V181MH7E	180	10 x 30	0.08	0.085	0.26	1020
RJJ-63V221MI5E	220	12.5 x 20	0.08	0.075	0.23	979
RJJ-63V221MGJ4E	220	16 x 16	0.08	0.080	0.24	982
RJJ-63V271MI6E	270	12.5 x 25	0.08	0.065	0.20	1180
RJJ-63V331MGK4E	330	18 x 16	0.08	0.065	0.20	1200
RJJ-63V391MI7E	390	12.5 x 30	0.08	0.055	0.17	1310
RJJ-63V391MGJ5E	390	16 x 20	0.08	0.057	0.17	1210
RJJ-63V471MI8E	470	12.5 x 35	0.08	0.048	0.14	1470
RJJ-63V471MGJ6E	470	16 x 25	0.08	0.052	0.16	1490
RJJ-63V561MI9E	560	12.5 x 40	0.08	0.042	0.13	1590
RJJ-63V561MGK5E	560	18 x 20	0.08	0.058	0.17	1460
RJJ-63V681MGJ7E	680	16 x 31.5	0.08	0.042	0.13	1890
RJJ-63V681MGK6E	680	18 x 25	0.08	0.050	0.15	1740
RJJ-63V821MGJ8E	820	16 x 35.5	0.08	0.036	0.11	2140
RJJ-63V821MGK7E	820	18 x 31.5	0.08	0.042	0.13	1990
RJJ-63V102MGJ9E	1000	16 x 40	0.08	0.032	0.096	2410
RJJ-63V102MGK8E	1000	18 x 35.5	0.08	0.035	0.11	2340

Note: Impedance 100 kHz
Allowable Ripple Current 100 kHz at 105°C

RJJ Miniature Aluminum Electrolytic Capacitors

Standard Ratings

ELNA PART NO. / WV (V)	CAP. (μF)	SIZE (φ x L) (mm)	tan δ	IMPEDANCE (Ω)		Rip Cur. (mA rms)
				20°C	-10°C	
RJJ-63V122MGK9E	1200	18 x 40	0.08	0.032	0.096	2560
100 V						
RJJ-100V5R6ME3E	5.6	5 x 11.5	0.07	1.9	7.6	57
RJJ-100V8R2ME4E	8.2	5 x 15	0.07	1.3	5.2	74
RJJ-100V120MF3E	12	6.3 x 11.5	0.07	1.1	4.4	78
RJJ-100V180MF4E	18	6.3 x 15	0.07	0.62	2.5	85
RJJ-100V220MG3E	22	8 x 12	0.07	0.53	2.1	275
RJJ-100V270MH3E	27	10 x 12.5	0.07	0.47	1.9	319
RJJ-100V330MG4E	33	8 x 15	0.07	0.35	1.4	360
RJJ-100V330MH4E	33	10 x 16	0.07	0.32	1.3	424
RJJ-100V390MG5E	39	8 x 20	0.07	0.27	1.1	490
RJJ-100V560MH5E	56	10 x 20	0.07	0.25	1.0	499
RJJ-100V680MH6E	68	10 x 25	0.07	0.18	0.72	634
RJJ-100V680MI4E	68	12.5 x 15	0.07	0.20	0.80	613
RJJ-100V101MH7E	100	10 x 30	0.07	0.15	0.60	739
RJJ-100V101MI5E	100	12.5 x 20	0.07	0.13	0.52	805
RJJ-100V121MI6E	120	12.5 x 25	0.07	0.11	0.44	857
RJJ-100V121MGJ4E	120	16 x 16	0.07	0.13	0.52	706
RJJ-100V151MGK4E	150	18 x 16	0.07	0.12	0.48	871
RJJ-100V181MI7E	180	12.5 x 30	0.07	0.090	0.36	1120
RJJ-100V181MGJ5E	180	16 x 20	0.07	0.11	0.44	916
RJJ-100V221MI8E	220	12.5 x 35	0.07	0.075	0.30	1240
RJJ-100V221MGJ6E	220	16 x 25	0.07	0.081	0.32	1290
RJJ-100V271MI9E	270	12.5 x 40	0.07	0.060	0.24	1330
RJJ-100V271MGK5E	270	18 x 20	0.07	0.085	0.34	1170
RJJ-100V331MGJ7E	330	16 x 31.5	0.07	0.059	0.23	1630
RJJ-100V331MGK6E	330	18 x 25	0.07	0.071	0.28	1500
RJJ-100V391MGJ8E	390	16 x 35.5	0.07	0.052	0.21	1750
RJJ-100V391MGK7E	390	18 x 31.5	0.07	0.058	0.23	1630
RJJ-100V471MGJ9E	470	16 x 40	0.07	0.045	0.18	1920
RJJ-100V561MGK8E	560	18 x 35.5	0.07	0.054	0.22	1920
RJJ-100V681MGK9E	680	18 x 40	0.07	0.041	0.16	2100

Note: Impedance 100 kHz
Allowable Ripple Current 100 kHz at 105°C