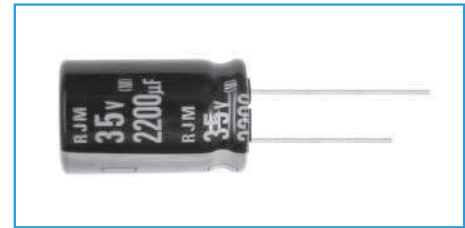
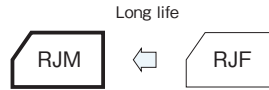


105°C Use, Miniature, Long Life, Extra Low Impedance Capacitors

GREEN CAP	Low Impedance	105°C 10000hours	Anti-cleaning solvent
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- Long life than RJF series.
- Guarantees 10000 hours at 105°C.
($\phi 5$: 5000 hours, $\phi 6.3$: 6000 hours, $\phi 8$: 8000 hours)



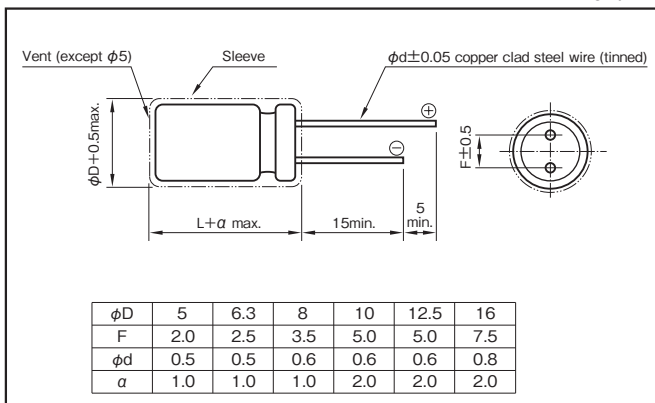
Marking color : White print on a black sleeve

Specifications

Item	Performance																				
Category temperature range (°C)	-40 to +105																				
Tolerance at rated capacitance (%)	±20 (20°C, 120Hz)																				
Leakage current (µA)	Less than 0.01CV or 3 whichever is larger (after 2 minutes) C : Rated capacitance (µF), V : Rated voltage (V) (20°C)																				
Tangent of loss angle (tanδ)	<table border="1"> <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> </tr> <tr> <td>tanδ (max.)</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> </tr> </table>	Rated voltage (V)	6.3	10	16	25	35	50	tanδ (max.)	0.22	0.19	0.16	0.14	0.12	0.10						
	Rated voltage (V)	6.3	10	16	25	35	50														
tanδ (max.)	0.22	0.19	0.16	0.14	0.12	0.10															
0.02 is added to every 1000µF increase over 1000µF. (20°C, 120Hz)																					
Characteristics at high and low temperature	<table border="1"> <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> </tr> <tr> <td rowspan="2">Impedance ratio (max.)</td> <td>Z-25°C/Z+20°C</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z-40°C/Z+20°C</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> </tr> </table>	Rated voltage (V)	6.3	10	16	25	35	50	Impedance ratio (max.)	Z-25°C/Z+20°C	2	2	2	2	2	Z-40°C/Z+20°C	3	3	3	3	3
	Rated voltage (V)	6.3	10	16	25	35	50														
Impedance ratio (max.)	Z-25°C/Z+20°C	2	2	2	2	2															
	Z-40°C/Z+20°C	3	3	3	3	3															
(120Hz)																					
Endurance (105°C) (Applied ripple current)	Test time	<ul style="list-style-type: none"> $\phi 5$: 5000 hours $\phi 6.3$: 6000 hours $\phi 8$: 8000 hours $\phi 10$ or more : 10000 hours 																			
	Leakage current	The initial specified value or less																			
	Percentage of capacitance change	Within ±25% of initial value ($\phi 6.3$ or less : ±30%)																			
	Tangent of the loss angle	200% or less of the initial specified value ($\phi 6.3$ or less : 300%)																			
Shelf life (105°C)	Test time	1000 hours																			
	Leakage current	The initial specified value or less																			
	Percentage of capacitance change	Within ±25% of initial value ($\phi 6.3$ or less : ±30%)																			
	Tangent of the loss angle	200% or less of the initial specified value ($\phi 6.3$ or less : 300%)																			
Voltage application treatment																					
Applicable standards	JIS C5101-1, -4 1998 (IEC 60384-1 1992, -4 1985)																				

Outline Drawing

Unit : mm



Coefficient of Frequency for Rated Ripple Current

Rated capacitance (µF)	Frequency (Hz)			
	120	1k	10k	100k
27 to 33	0.42	0.70	0.90	1
39 to 270	0.50	0.73	0.92	1
330 to 680	0.55	0.77	0.94	1
820 to 1800	0.60	0.80	0.96	1
2200 to 8200	0.70	0.85	0.98	1

Part numbering system (example : 10V1000µF)

RJM	—	10	V	102	M	G4	#	—	□
Series code		Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol			Taping(Forming) symbol

NOTE : Design, Specifications are subject to change without notice.
It is recommended that you shall obtain technical specifications from ELNA to ensure that the component is suitable for your use.

Standard Ratings

Rated voltage(V) Rated capacitance(μF)	Item	6.3					10					16				
		Case φDxL (mm)	Casing symbol	Impedance (Ω max.)		Rated ripple current (mA _{RMS})	Case φDxL (mm)	Casing symbol	Impedance (Ω max.)		Rated ripple current (mA _{RMS})	Case φDxL (mm)	Casing symbol	Impedance (Ω max.)		Rated ripple current (mA _{RMS})
				20°C	-10°C				20°C	-10°C				20°C	-10°C	
82	—	—	—	—	—	—	—	—	—	—	5×11.5	E3	0.22	0.80	345	
100	—	—	—	—	—	5×11.5	E3	0.22	0.80	345	5×11.5	E3	0.22	0.80	345	
120	—	—	—	—	—	5×11.5	E3	0.22	0.80	345	—	—	—	—	—	
150	5×11.5	E3	0.22	0.80	345	5×11.5	E3	0.22	0.80	345	—	—	—	—	—	
180	—	—	—	—	—	—	—	—	—	—	6.3×11.5	F3	0.094	0.35	540	
220	5×11.5	E3	0.22	0.80	345	6.3×11.5	F3	0.094	0.35	540	6.3×11.5	F3	0.094	0.35	540	
270	—	—	—	—	—	6.3×11.5	F3	0.094	0.35	540	—	—	—	—	—	
330	6.3×11.5	F3	0.094	0.35	540	6.3×11.5	F3	0.094	0.35	540	—	—	—	—	—	
470	6.3×11.5	F3	0.094	0.35	540	—	—	—	—	—	8×12	G3	0.056	0.19	945	
680	—	—	—	—	—	8×12	G3	0.056	0.19	945	8×15	G4	0.045	0.15	1250	
820	8×12	G3	0.056	0.19	945	—	—	—	—	—	10×12.5	H3	0.039	0.14	1560	
1000	—	—	—	—	—	8×15	G4	0.045	0.15	1250	8×20	G5	0.029	0.11	1500	
						10×12.5	H3	0.039	0.14	1560	10×16	H4	0.028	0.10	2000	
1200	8×15	G4	0.045	0.15	1250	—	—	—	—	—	—	—	—	—	—	
	10×12.5	H3	0.039	0.14	1560	—	—	—	—	—	—	—	—	—	—	
1500	8×20	G5	0.029	0.11	1500	8×20	G5	0.029	0.11	1500	10×20	H5	0.020	0.060	2500	
						10×16	H4	0.028	0.10	2000	—	—	—	—	—	
1800	10×16	H4	0.028	0.10	2000	10×20	H5	0.020	0.060	2500	10×25	H6	0.017	0.051	2900	
2200	10×20	H5	0.020	0.060	2500	10×25	H6	0.017	0.051	2900	12.5×20	I5	0.017	0.043	2600	
2700	10×25	H6	0.017	0.051	2900	—	—	—	—	—	12.5×25	I6	0.015	0.038	3200	
3300	—	—	—	—	—	12.5×20	I5	0.017	0.043	2600	12.5×30	I7	0.013	0.033	3795	
						—	—	—	—	—	16×20	J5	0.015	0.038	3575	
3900	12.5×20	I5	0.017	0.043	2600	12.5×25	I6	0.015	0.038	3200	12.5×35	I8	0.012	0.031	4120	
4700	12.5×25	I6	0.015	0.038	3200	12.5×30	I7	0.013	0.033	3795	16×25	J6	0.013	0.035	3810	
						16×20	J5	0.015	0.038	3575	—	—	—	—	—	
5600	12.5×30	I7	0.013	0.033	3795	12.5×35	I8	0.012	0.031	4120	—	—	—	—	—	
6800	12.5×35	I8	0.012	0.031	4120	16×25	J6	0.013	0.035	3810	—	—	—	—	—	
	16×20	J5	0.015	0.038	3575	—	—	—	—	—	—	—	—	—	—	
8200	16×25	J6	0.013	0.035	3810	—	—	—	—	—	—	—	—	—	—	

ALUMINUM

MINIATURE ALUMINUM

Rated voltage(V) Rated capacitance(μF)	Item	25					35					50				
		Case φDxL (mm)	Casing symbol	Impedance (Ω max.)		Rated ripple current (mA _{RMS})	Case φDxL (mm)	Casing symbol	Impedance (Ω max.)		Rated ripple current (mA _{RMS})	Case φDxL (mm)	Casing symbol	Impedance (Ω max.)		Rated ripple current (mA _{RMS})
				20°C	-10°C				20°C	-10°C				20°C	-10°C	
27	—	—	—	—	—	—	—	—	—	—	5×11.5	E3	0.34	1.18	238	
39	5×11.5	E3	0.22	0.80	345	5×11.5	E3	0.22	0.80	345	6.3×11.5	F3	0.14	0.50	385	
47	—	—	—	—	—	5×11.5	E3	0.22	0.80	345	—	—	—	—	—	
56	5×11.5	E3	0.22	0.80	345	—	—	—	—	—	6.3×11.5	F3	0.14	0.50	385	
68	5×11.5	E3	0.22	0.80	345	—	—	—	—	—	—	—	—	—	—	
82	5×11.5	E3	0.22	0.80	345	6.3×11.5	F3	0.094	0.35	540	—	—	—	—	—	
100	6.3×11.5	F3	0.094	0.35	540	6.3×11.5	F3	0.094	0.35	540	8×12	G3	0.074	0.22	724	
120	6.3×11.5	F3	0.094	0.35	540	—	—	—	—	—	8×15	G4	0.061	0.18	950	
150	6.3×11.5	F3	0.094	0.35	540	—	—	—	—	—	10×12.5	H3	0.061	0.18	1250	
180	—	—	—	—	—	—	—	—	—	—	8×20	G5	0.046	0.14	1190	
220	—	—	—	—	—	8×12	G3	0.056	0.19	945	10×16	H4	0.042	0.12	1650	
270	—	—	—	—	—	8×15	G4	0.045	0.15	1250	10×20	H5	0.030	0.090	2060	
330	8×12	G3	0.056	0.19	945	10×12.5	H3	0.039	0.14	1560	10×25	H6	0.028	0.084	2420	
390	8×15	G4	0.045	0.15	1250	8×20	G5	0.029	0.11	1500	—	—	—	—	—	
470	10×12.5	H3	0.039	0.14	1560	10×16	H4	0.028	0.10	2000	12.5×20	I5	0.027	0.068	2300	
560	8×20	G5	0.029	0.11	1500	10×20	H5	0.020	0.060	2500	12.5×25	I6	0.023	0.059	2800	
680	10×16	H4	0.028	0.10	2000	10×25	H6	0.017	0.051	2900	12.5×30	I7	0.021	0.052	3500	
						—	—	—	—	—	12.5×35	I8	0.019	0.051	3810	
820	10×20	H5	0.020	0.060	2500	—	—	—	—	—	16×20	J5	0.023	0.059	3070	
1000	10×25	H6	0.017	0.051	2900	12.5×20	I5	0.017	0.043	2600	16×25	J6	0.021	0.056	3270	
1200	—	—	—	—	—	12.5×25	I6	0.015	0.038	3200	—	—	—	—	—	
						12.5×30	I7	0.013	0.033	3795	—	—	—	—	—	
1500	12.5×20	I5	0.017	0.043	2600	16×20	J5	0.015	0.038	3575	—	—	—	—	—	
1800	12.5×25	I6	0.015	0.038	3200	12.5×35	I8	0.012	0.031	4120	—	—	—	—	—	
2200	12.5×30	I7	0.013	0.033	3795	16×25	J6	0.013	0.035	3810	—	—	—	—	—	
	16×20	J5	0.015	0.038	3575	—	—	—	—	—	—	—	—	—	—	
2700	12.5×35	I8	0.012	0.031	4120	—	—	—	—	—	—	—	—	—	—	
3300	16×25	J6	0.013	0.035	3810	—	—	—	—	—	—	—	—	—	—	

105°C

(Note) Rated ripple current : 105°C , 100kHz ; Impedance : 100kHz

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