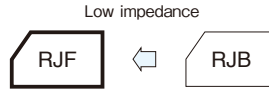


Code in front of series have been extracted from product code, which describes the segment of products, such as type and features.

- Extra low impedance capacitor.
- Environmental : GREEN CAP™ , RoHS compliance.



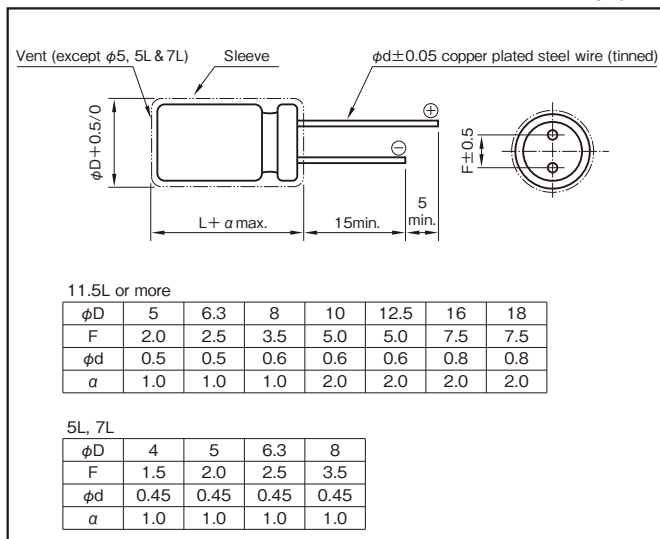
Marking color : White print on a black sleeve

Specifications

Item	Performance																													
Category temperature range (°C)	-40 to +105																													
Tolerance at rated capacitance (%)	±20 (20°C,120Hz)																													
Leakage current (µA) (max.)	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><td>63</td><td>80</td><td>100</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><td>0.09</td><td>0.09</td><td>0.08</td> </tr> </table>	Rated voltage (V)	6.3	10	16	25	35	50	63	80	100	tanδ (max.)	0.22	0.19	0.16	0.14	0.12	0.10	0.09	0.09	0.08									
	Rated voltage (V)	6.3	10	16	25	35	50	63	80	100																				
tanδ (max.)	0.22	0.19	0.16	0.14	0.12	0.10	0.09	0.09	0.08																					
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><td>63</td><td>80</td><td>100</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><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><td>3</td><td>3</td><td>3</td> </tr> </table>	Rated voltage (V)	6.3	10	16	25	35	50	63	80	100	Impedance ratio (max.)	Z-25°C/Z+20°C	2	2	2	2	2	2	2	2	Z-40°C/Z+20°C	3	3	3	3	3	3	3	3
	Rated voltage (V)	6.3	10	16	25	35	50	63	80	100																				
Impedance ratio (max.)	Z-25°C/Z+20°C	2	2	2	2	2	2	2	2																					
	Z-40°C/Z+20°C	3	3	3	3	3	3	3	3																					
(120Hz)																														
Endurance (105°C) (Applied ripple current)	Test time	5L & 7L : 1000 hours φ5 & φ6.3 : 2000 hours (63 to 100WV:5000 hours) φ8 & φ10 : 3000 hours (63 to 100WV:7000 hours) φ12.5 to φ18 : 5000 hours (63 to 100WV:10000 hours)																												
	Leakage current	The initial specified value or less																												
	Percentage of capacitance change	Within ±25% of initial value																												
	Tangent of the loss angle	200% or less of the initial specified value																												
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																												
	Tangent of the loss angle	200% or less of the initial specified value																												
Voltage application treatment : According to JIS C5101-4 4.1																														
Applicable standards	JIS C5101 - 1, - 4 (IEC 60384 - 1, - 4)																													

Outline Drawing

Unit : mm



Coefficient of Frequency for Rated Ripple Current

Rated capacitance (µF) \ Frequency (Hz)	120	1k	10k	100k
5.6 to 180	0.40	0.75	0.90	1
220 to 390	0.50	0.85	0.94	1
470 to 1800	0.60	0.87	0.95	1
2200 to 3900	0.75	0.90	0.95	1
4700 to 6800	0.85	0.95	0.98	1

Product code system : 10V1000µF (*For general product)

RS*	RJF	102	M	1L	F16	300	T
Category code	Series code	capacitance code	Cap tol. code	Voltage code	Size code	Lead-forming and packing code	Additional code

- For details, refer to the various "Product Code System" pages.
 - Lead-forming and packing code on this page are for lead long and standard packing products.
- For standard packing, please refer to the "PACKING" page.

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Code in front of series have been extracted from product code, which describes the segment of products, such as type and features.

Standard Ratings

Rated voltage (V)	Item	6.3 (1J)					10 (1L)					16 (1E)				
		Case ϕ DxL (mm)	Size code	Impedance (Ω max.)		Rated ripple current (mA rms)	Case ϕ DxL (mm)	Size code	Impedance (Ω max.)		Rated ripple current (mA rms)	Case ϕ DxL (mm)	Size code	Impedance (Ω max.)		Rated ripple current (mA rms)
				20°C	-10°C				20°C	-10°C				20°C	-10°C	
18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
27	—	—	—	—	—	4 × 7	B07	0.89	2.7	130	—	—	—	—	—	
33	—	—	—	—	—	—	—	—	—	—	4 × 7	B07	0.92	2.8	130	
											6.3 × 5	D05	0.30	0.95	210	
39	4 × 7	B07	0.85	2.6	130	—	—	—	—	—	—	—	—	—	—	
47	—	—	—	—	—	6.3 × 5	D05	0.29	0.93	210	—	—	—	—	—	
56	—	—	—	—	—	5 × 7	C07	0.44	1.4	210	—	—	—	—	—	
68	5 × 7	C07	0.43	1.3	210	—	—	—	—	—	6.3 × 7	D07	0.24	0.72	300	
100	6.3 × 5	D05	0.28	0.91	210	5 × 11.5	C11	0.22	0.8	345	—	—	—	—	—	
120	—	—	—	—	—	6.3 × 7	D07	0.23	0.69	300	8 × 7	E07	0.15	0.45	380	
											6.3 × 11.5	D11	0.094	0.35	540	
150	5 × 11.5	C11	0.22	0.80	345	—	—	—	—	—	—	—	—	—	—	
	6.3 × 7	D07	0.23	0.69	300	—	—	—	—	—	—	—	—	—	—	
180	—	—	—	—	—	8 × 7	E07	0.15	0.45	380	—	—	—	—	—	
220	8 × 7	E07	0.15	0.45	380	6.3 × 11.5	D11	0.094	0.35	540	—	—	—	—	—	
330	6.3 × 11.5	D11	0.094	0.35	540	—	—	—	—	—	8 × 12	E12	0.056	0.19	945	
470	—	—	—	—	—	8 × 12	E12	0.056	0.19	945	8 × 15	E15	0.045	0.15	1250	
560	8 × 12	E12	0.056	0.19	945	—	—	—	—	—	10 × 16	F16	0.028	0.10	1760	
680	—	—	—	—	—	10 × 12.5	F12	0.039	0.14	1330	—	—	—	—	—	
820	8 × 15	E15	0.045	0.15	1250	—	—	—	—	—	—	—	—	—	—	
1000	10 × 12.5	F12	0.039	0.14	1330	10 × 16	F16	0.028	0.10	1760	10 × 20	F20	0.020	0.060	1960	
1200	10 × 16	F16	0.028	0.10	1760	10 × 20	F20	0.020	0.060	1960	10 × 25	F25	0.018	0.054	2250	
1500	10 × 20	F20	0.020	0.060	1960	10 × 25	F25	0.018	0.054	2250	12.5 × 20	G20	0.017	0.043	2480	
2200	10 × 25	F25	0.018	0.054	2250	12.5 × 20	G20	0.017	0.043	2480	12.5 × 25	G25	0.015	0.038	2900	
2700	—	—	—	—	—	—	—	—	—	—	16 × 20	J20	0.015	0.038	3250	
3300	12.5 × 20	G20	0.017	0.043	2480	12.5 × 25	G25	0.015	0.038	2900	16 × 25	J25	0.013	0.035	3630	
3900	12.5 × 25	G25	0.015	0.038	2900	16 × 20	J20	0.015	0.038	3250	16 × 25	J25	0.013	0.035	3630	
4700	12.5 × 30	G30	0.013	0.033	3450	16 × 25	J25	0.013	0.035	3630	—	—	—	—	—	
5600	16 × 20	J20	0.015	0.038	3570	16 × 25	J25	0.013	0.035	3630	—	—	—	—	—	
6800	16 × 25	J25	0.013	0.035	3630	—	—	—	—	—	—	—	—	—	—	

Rated voltage (V)	Item	25 (1T)					35 (1G)					50 (1U)				
		Case ϕ D × L (mm)	Size code	Impedance (Ω max.)		Rated ripple current (mA rms)	Case ϕ D × L (mm)	Size code	Impedance (Ω max.)		Rated ripple current (mA rms)	Case ϕ D × L (mm)	Size code	Impedance (Ω max.)		Rated ripple current (mA rms)
				20°C	-10°C				20°C	-10°C				20°C	-10°C	
5.6	—	—	—	—	—	—	—	—	—	—	4 × 7	B07	1.0	3.0	130	
10	5 × 5	C05	0.61	1.5	130	5 × 5	C05	0.63	1.5	130	5 × 7	C07	0.50	1.5	210	
						4 × 7	B07	0.96	2.9	130						
15	4 × 7	B07	0.94	2.9	130	—	—	—	—	—	—	—	—	—	—	
18	—	—	—	—	—	5 × 7	C07	0.47	1.5	210	—	—	—	—	—	
22	6.3 × 5	D05	0.31	0.97	210	6.3 × 5	D05	0.32	1.0	210	6.3 × 7	D07	0.26	0.78	300	
											5 × 11.5	C11	0.34	1.18	238	
27	5 × 7	C07	0.46	1.4	210	—	—	—	—	—	—	—	—	—	—	
33	—	—	—	—	—	5 × 11.5	C11	0.22	0.80	345	8 × 7	E07	0.17	0.51	380	
39	—	—	—	—	—	6.3 × 7	D07	0.25	0.75	300	—	—	—	—	—	
47	5 × 11.5	C11	0.22	0.80	345	—	—	—	—	—	—	—	—	—	—	
56	6.3 × 7	D07	0.24	0.72	300	8 × 7	E07	0.16	0.48	380	6.3 × 11.5	D11	0.14	0.50	385	
						6.3 × 11.5	D11	0.094	0.35	540						
100	8 × 7	E07	0.15	0.45	380	—	—	—	—	—	8 × 12	E12	0.074	0.22	724	
120	6.3 × 11.5	D11	0.094	0.35	540	—	—	—	—	—	8 × 15	E15	0.061	0.18	950	
150	—	—	—	—	—	8 × 12	E12	0.056	0.19	945	10 × 12.5	F12	0.061	0.18	979	
180	—	—	—	—	—	—	—	—	—	—	8 × 20	E20	0.046	0.14	1190	
220	8 × 12	E12	0.056	0.19	945	10 × 12.5	F12	0.039	0.14	1330	10 × 16	F16	0.042	0.12	1370	
270	—	—	—	—	—	8 × 20	E20	0.029	0.11	1500	10 × 20	F20	0.030	0.090	1580	
330	10 × 12.5	F12	0.039	0.14	1330	10 × 16	F16	0.028	0.10	1760	10 × 25	F25	0.028	0.085	1870	
470	10 × 16	F16	0.028	0.10	1760	10 × 20	F20	0.020	0.060	1960	12.5 × 20	G20	0.027	0.068	2050	
560	—	—	—	—	—	10 × 25	F25	0.018	0.054	2250	12.5 × 25	G25	0.023	0.059	2410	
680	10 × 20	F20	0.020	0.060	1960	12.5 × 20	G20	0.017	0.043	2480	16 × 20	J20	0.023	0.059	2730	
820	10 × 25	F25	0.018	0.054	2250	—	—	—	—	—	16 × 20	J20	0.023	0.059	2730	
1000	12.5 × 20	G20	0.017	0.043	2480	12.5 × 25	G25	0.015	0.038	2900	16 × 25	J25	0.021	0.056	3010	
1200	—	—	—	—	—	16 × 20	J20	0.015	0.038	3250	—	—	—	—	—	
1500	12.5 × 25	G25	0.015	0.038	2900	16 × 25	J25	0.013	0.035	3630	—	—	—	—	—	
1800	16 × 20	J20	0.015	0.038	3250	16 × 25	J25	0.013	0.035	3630	—	—	—	—	—	
2200	16 × 25	J25	0.013	0.035	3630	—	—	—	—	—	—	—	—	—	—	
2700	16 × 25	J25	0.013	0.035	3630	—	—	—	—	—	—	—	—	—	—	

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

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Code in front of series have been extracted from product code, which describes the segment of products, such as type and features.

Standard Ratings

Rated voltage (V)	Item	63 (4E)				80 (1R)				100 (1H)					
		Case ϕ DxL (mm)	Size code	Impedance (Ω max.)		Case ϕ DxL (mm)	Size code	Impedance (Ω max.)		Case ϕ DxL (mm)	Size code	Impedance (Ω max.)		Rated ripple current (mA rms)	
				20°C	-10°C			20°C	-10°C			20°C	-10°C		
6.8	—	—	—	—	—	—	—	—	—	—	5 × 11.5	C11	1.4	5.6	125
15	5 × 11.5	C11	0.88	3.5	165	—	—	—	—	—	6.3 × 11.5	D11	0.57	2.3	205
27	—	—	—	—	—	—	—	—	—	—	8 × 12	E12	0.36	1.4	335
33	6.3 × 11.5	D11	0.35	1.4	265	—	—	—	—	—	—	—	—	—	—
39	—	—	—	—	—	—	—	—	—	—	8 × 15	E15	0.25	1.0	450
47	—	—	—	—	—	—	—	—	—	—	10 × 12.5	F12	0.17	0.66	480
56	8 × 12	E12	0.22	0.88	500	—	—	—	—	—	8 × 20	E20	0.19	0.76	565
68	—	—	—	—	—	10 × 12.5	F12	0.17	0.66	480	10 × 16	F16	0.11	0.47	600
82	10 × 12.5	F12	0.11	0.44	690	—	—	—	—	—	10 × 20	F20	0.084	0.34	800
100	—	—	—	—	—	10 × 16	F16	0.11	0.47	600	12.5 × 15	G15	0.11	0.34	750
120	8 × 20	E20	0.12	0.48	820	10 × 20	F20	0.084	0.34	800	10 × 25	F25	0.069	0.28	900
	10 × 16	F16	0.076	0.31	950										
150	—	—	—	—	—	10 × 25	F25	0.069	0.28	900	12.5 × 20	G20	0.062	0.18	1100
180	10 × 20	F20	0.056	0.23	1150	—	—	—	—	—	—	—	—	—	—
220	10 × 25	F25	0.046	0.19	1350	12.5 × 20	G20	0.062	0.18	1100	16 × 20	J20	0.048	0.15	1350
270	12.5 × 20	G20	0.041	0.13	1500	—	—	—	—	—	12.5 × 30	G30	0.042	0.13	1500
330	—	—	—	—	—	12.5 × 25	G25	0.047	0.14	1250	12.5 × 35	G35	0.036	0.11	1650
						16 × 20	J20	0.048	0.15	1350	16 × 25	J25	0.038	0.12	1700
						—	—	—	—	—	18 × 20	K20	0.045	0.14	1500
390	12.5 × 25	G25	0.031	0.093	1900	12.5 × 30	G30	0.042	0.13	1500	12.5 × 40	G40	0.032	0.095	1800
470	12.5 × 30	G30	0.028	0.084	2300	12.5 × 35	G35	0.036	0.11	1650	16 × 31.5	J31	0.032	0.095	1850
	16 × 20	J20	0.032	0.096	2000	16 × 25	J25	0.038	0.12	1700	18 × 25	K25	0.036	0.11	1750
						18 × 20	K20	0.045	0.14	1500					
560	12.5 × 35	G35	0.024	0.070	2500	—	—	—	—	—	16 × 35.5	J35	0.029	0.086	2000
680	12.5 × 40	G40	0.021	0.063	2800	16 × 31.5	J31	0.032	0.095	1850	18 × 31.5	K31	0.030	0.090	1900
	16 × 25	J25	0.025	0.075	2600						16 × 40	J40	0.027	0.081	2480
	18 × 20	K20	0.030	0.090	2500						18 × 35.5	K35	0.027	0.081	2200
820	16 × 31.5	J31	0.021	0.063	2850	16 × 35.5	J35	0.029	0.086	2000	18 × 40	K40	0.026	0.077	2700
	18 × 25	K25	0.024	0.072	2800	18 × 31.5	K31	0.030	0.090	1900					
1000	16 × 35.5	J35	0.019	0.057	2900	—	—	—	—	—	—	—	—	—	—
1200	16 × 40	J40	0.018	0.054	3400	18 × 40	K40	0.026	0.077	2700	—	—	—	—	—
	18 × 31.5	K31	0.020	0.060	3300						—	—	—	—	—
1500	18 × 35.5	K35	0.018	0.054	3400	—	—	—	—	—	—	—	—	—	—
1800	18 × 40	K40	0.017	0.051	3500	—	—	—	—	—	—	—	—	—	—

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