

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

- Low ESR capacitors.
- Guaranteed 8000 hours at 105°C.
($\phi 5$ to 6.3: 2000 hours; $\phi 8$: 3000 hours; $\phi 10$: 5000 hours)
- Environmental : GREEN CAP™ , RoHS compliance.



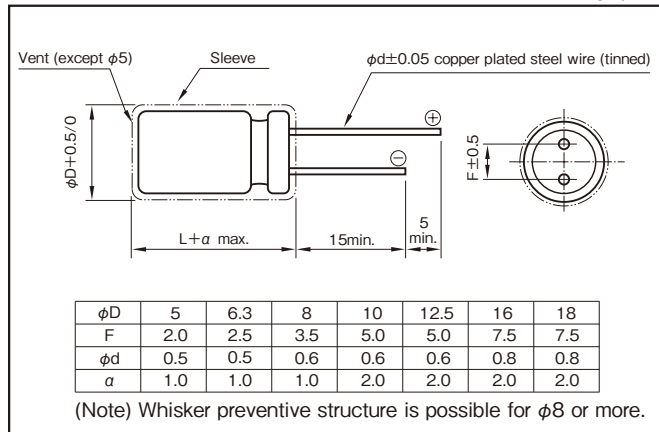
Marking color : White print on a black sleeve

Specifications

Item	Performance																																								
Category temperature range (°C)	-55 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"> <thead> <tr> <th>Rated voltage (V)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> <th>80</th> <th>100</th> </tr> </thead> <tbody> <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>0.10</td> <td>0.08</td> <td>0.08</td> </tr> </tbody> </table> <p>0.02 is added to every 1000µF increase over 1000µF. (20°C, 120Hz)</p>	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	0.10	0.08	0.08																				
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Shelf life (105°C)	Test time : 1000hours ; other items are same as the endurance. 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)	50 - 60	120	300	1k	10k - 100k
56 or less		0.20	0.30	0.50	0.80	1
68 to 330		0.55	0.65	0.75	0.85	1
390 to 1000		0.70	0.75	0.80	0.90	1
1200 to 18000		0.80	0.85	0.90	0.95	1

Product code system : 25V10000µF (*For general product)

RS*	RJD	103	M	1T	K40	300	T
Category code	Series code	capacitance code	Cap tol. code	Voltage code	Size code	Lead-forming and packing code	Additional code

- If it is whisker preventive structure, should change "T" into "G".
- 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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Standard Ratings

Rated voltage(V) Item	6.3 (1J)					10 (1L)					16 (1E)				
	Case φD × L (mm)	Size code	ESR (Ω max.)		Rated ripple current (mAmps)	Case φD × L (mm)	Size code	ESR (Ω max.)		Rated ripple current (mAmps)	Case φD × L (mm)	Size code	ESR (Ω max.)		Rated ripple current (mAmps)
			20°C	-10°C				20°C	-10°C				20°C	-10°C	
22	—	—	—	—	—	—	—	—	—	—	5 × 11.5	C11	0.50	1.0	182
33	—	—	—	—	—	—	—	—	—	—	5 × 11.5	C11	0.50	1.0	182
47	—	—	—	—	—	—	—	—	—	—	5 × 11.5	C11	0.50	1.0	182
82	—	—	—	—	—	—	—	—	—	—	5 × 11.5	C11	0.50	1.0	182
100	—	—	—	—	—	5 × 11.5	C11	0.50	1.0	182	6.3 × 11.5	D11	0.25	0.50	295
150	5 × 11.5	C11	0.50	1.0	182	—	—	—	—	—	6.3 × 11.5	D11	0.25	0.50	295
180	—	—	—	—	—	6.3 × 11.5	D11	0.25	0.50	295	8 × 12	E12	0.117	0.234	567
220	—	—	—	—	—	6.3 × 11.5	D11	0.25	0.50	295	8 × 12	E12	0.117	0.234	567
330	6.3 × 11.5	D11	0.25	0.50	295	8 × 12	E12	0.117	0.234	567	8 × 12	E12	0.117	0.234	567
390	—	—	—	—	—	—	—	—	—	—	8 × 12	E12	0.117	0.234	567
470	8 × 12	E12	0.117	0.234	567	8 × 12	E12	0.117	0.234	567	8 × 15	E15	0.085	0.170	733
560	8 × 12	E12	0.117	0.234	567	8 × 12	E12	0.117	0.234	567	10 × 12.5	F12	0.090	0.180	764
680	8 × 12	E12	0.117	0.234	567	—	—	—	—	—	8 × 15	E15	0.085	0.170	733
820	—	—	—	—	—	—	—	—	—	—	10 × 12.5	F12	0.090	0.180	764
1000	8 × 15	E15	0.085	0.170	733	8 × 15	E15	0.085	0.170	733	8 × 20	E20	0.065	0.130	996
1200	10 × 12.5	F12	0.090	0.180	764	10 × 12.5	F12	0.090	0.180	764	10 × 16	F16	0.068	0.136	1060
1500	10 × 16	F16	0.068	0.136	1060	10 × 16	F16	0.068	0.136	1060	10 × 20	F20	0.052	0.104	1230
1800	12.5 × 15	G15	0.062	0.124	1210	10 × 20	F20	0.052	0.104	1230	10 × 20	F20	0.052	0.104	1230
2200	10 × 20	F20	0.052	0.104	1230	10 × 25	F25	0.045	0.090	1450	10 × 25	F25	0.045	0.090	1450
2700	10 × 25	F25	0.045	0.090	1450	12.5 × 20	G20	0.038	0.076	1700	12.5 × 20	G20	0.038	0.076	1700
3300	10 × 30	F30	0.035	0.070	1830	10 × 30	F30	0.035	0.070	1830	12.5 × 25	G25	0.030	0.060	1950
3900	12.5 × 25	G25	0.030	0.060	1950	12.5 × 25	G25	0.030	0.060	1950	12.5 × 25	G25	0.030	0.060	1950
4700	12.5 × 25	G25	0.030	0.060	1950	18 × 16	K16	0.038	0.076	2010	12.5 × 35	G35	0.022	0.044	2620
5600	12.5 × 30	G30	0.025	0.050	2330	12.5 × 30	G30	0.025	0.050	2330	16 × 20	J20	0.029	0.058	2230
6800	12.5 × 35	G35	0.022	0.044	2620	16 × 20	J20	0.029	0.058	2230	16 × 25	J25	0.022	0.044	2650
8200	12.5 × 40	G40	0.017	0.034	3160	12.5 × 40	G40	0.017	0.034	3160	18 × 25	K25	0.020	0.040	3000
10000	16 × 25	J25	0.022	0.044	2650	16 × 31.5	J31	0.018	0.036	3210	16 × 31.5	J31	0.018	0.036	3210
12000	18 × 20	K20	0.028	0.056	2500	18 × 25	K25	0.020	0.040	3000	18 × 35.5	K35	0.015	0.030	3960
15000	16 × 31.5	J31	0.018	0.036	3210	16 × 40	J40	0.015	0.030	3880	18 × 40	K40	0.014	0.028	4300
18000	18 × 25	K25	0.020	0.040	3000	18 × 35.5	K35	0.015	0.030	3960	—	—	—	—	—
	18 × 35.5	K35	0.015	0.030	3960	—	—	—	—	—	—	—	—	—	—
	18 × 40	K40	0.014	0.028	4300	—	—	—	—	—	—	—	—	—	—

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

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.

