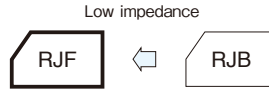


Code in front of series have been extracted from product code, which describes the segment of products, such as type and features.

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



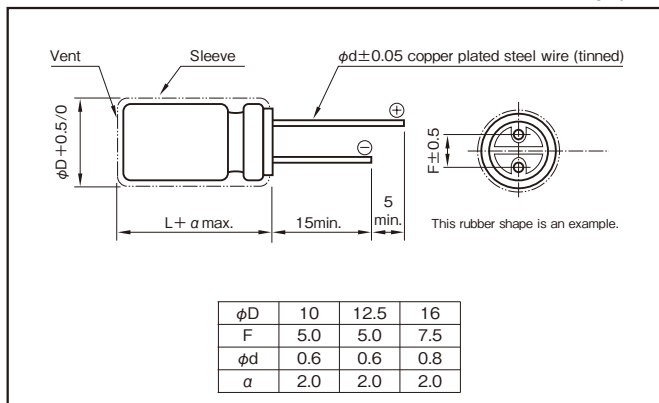
Marking color : White print on a black sleeve

### 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> </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	φ10 : 3000 hours φ12.5 to φ18 : 5000 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)	120	1k	10k	100k
150	0.40	0.75	0.90	1
220 to 330	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 "300" : lead wire is long type and standard packing.
- For standard packing, please refer to the "PACKING" page.

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 $\phi$ DxL (mm)	Size code	Impedance ( $\Omega$ max.)		Rated ripple current (mA <sub>rms</sub> )	Case $\phi$ DxL (mm)	Size code	Impedance ( $\Omega$ max.)		Rated ripple current (mA <sub>rms</sub> )	Case $\phi$ DxL (mm)	Size code	Impedance ( $\Omega$ max.)		Rated ripple current (mA <sub>rms</sub> )
				20°C	-10°C				20°C	-10°C				20°C	-10°C	
560	—	—	—	—	—	—	—	—	—	—	10 × 16	F16	0.028	0.10	1760	
680	—	—	—	—	—	10 × 12.5	F12	0.039	0.14	1330	—	—	—	—	—	
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 $\phi$ D × L (mm)	Size code	Impedance ( $\Omega$ max.)		Rated ripple current (mA <sub>rms</sub> )	Case $\phi$ D × L (mm)	Size code	Impedance ( $\Omega$ max.)		Rated ripple current (mA <sub>rms</sub> )	Case $\phi$ D × L (mm)	Size code	Impedance ( $\Omega$ max.)		Rated ripple current (mA <sub>rms</sub> )
				20°C	-10°C				20°C	-10°C				20°C	-10°C	
150	—	—	—	—	—	—	—	—	—	—	10 × 12.5	F12	0.061	0.18	979	
220	—	—	—	—	—	10 × 12.5	F12	0.039	0.14	1330	10 × 16	F16	0.042	0.12	1370	
270	—	—	—	—	—	—	—	—	—	—	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