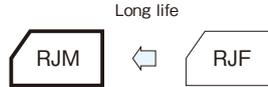


Code in front of series have been extracted from product code, which describes the segment of products, such as type and features.

- Long life, extra low impedance capacitor.
- Guaranteed 10000 hours at 105°C.
- Environmental : GREEN CAP™ , RoHS compliance.



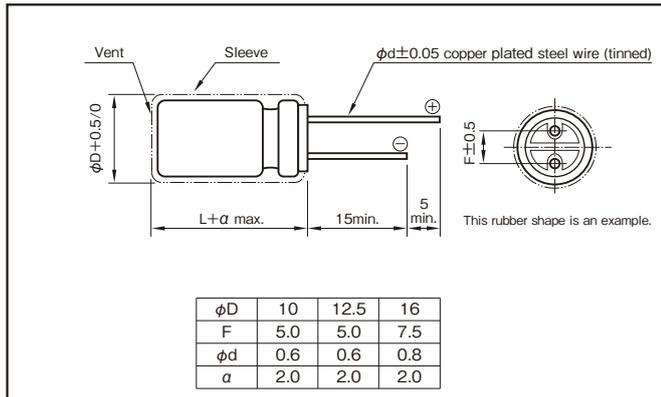
Marking color : White print on a black sleeve

### 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)	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	Impedance ratio (max.)	Rated voltage (V)	6.3	10	16	25	35	50
		Z - 25°C/Z + 20°C	2	2	2	2	2	2
		Z - 40°C/Z + 20°C	3	3	3	3	3	3
(120Hz)								
Endurance (105°C) (Applied ripple current)	Test time	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
150 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

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

RS*	RJM	102	M	1L	F12	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 Rated capacitance (μF)	6.3 (1J)					10 (1L)					16 (1E)				
	Case φDxL (mm)	Size code	Impedance (Ω max.)		Rated ripple current (mArms)	Case φDxL (mm)	Size code	Impedance (Ω max.)		Rated ripple current (mArms)	Case φDxL (mm)	Size code	Impedance (Ω max.)		Rated ripple current (mArms)
			20°C	-10°C				20°C	-10°C				20°C	-10°C	
680	—	—	—	—	—	—	—	—	—	—	10×12.5	F12	0.039	0.14	1560
1000	—	—	—	—	—	10×12.5	F12	0.039	0.14	1560	10×16	F16	0.028	0.10	2000
1200	10×12.5	F12	0.039	0.14	1560	—	—	—	—	—	—	—	—	—	—
1500	—	—	—	—	—	10×16	F16	0.028	0.10	2000	10×20	F20	0.020	0.060	2500
1800	10×16	F16	0.028	0.10	2000	10×20	F20	0.020	0.060	2500	10×25	F25	0.017	0.051	2900
2200	10×20	F20	0.020	0.060	2500	10×25	F25	0.017	0.051	2900	12.5×20	G20	0.017	0.043	2600
2700	10×25	F25	0.017	0.051	2900	—	—	—	—	—	12.5×25	G25	0.015	0.038	3200
3300	—	—	—	—	—	12.5×20	G20	0.017	0.043	2600	12.5×30	G30	0.013	0.033	3795
3900	12.5×20	G20	0.017	0.043	2600	12.5×25	G25	0.015	0.038	3200	12.5×35	G35	0.012	0.031	4120
4700	12.5×25	G25	0.015	0.038	3200	12.5×30	G30	0.013	0.033	3795	16×20	J20	0.015	0.038	3575
5600	12.5×30	G30	0.013	0.033	3795	16×20	J20	0.015	0.038	3575	16×25	J25	0.013	0.035	3810
6800	12.5×35	G35	0.012	0.031	4120	12.5×35	G35	0.012	0.031	4120	—	—	—	—	—
8200	16×20	J20	0.015	0.038	3575	16×25	J25	0.013	0.035	3810	—	—	—	—	—
8200	16×25	J25	0.013	0.035	3810	—	—	—	—	—	—	—	—	—	—

Rated voltage(V) Item Rated capacitance (μF)	25 (1T)					35 (1G)					50 (1U)				
	Case φDxL (mm)	Size code	Impedance (Ω max.)		Rated ripple current (mArms)	Case φDxL (mm)	Size code	Impedance (Ω max.)		Rated ripple current (mArms)	Case φDxL (mm)	Size code	Impedance (Ω max.)		Rated ripple current (mArms)
			20°C	-10°C				20°C	-10°C				20°C	-10°C	
150	—	—	—	—	—	—	—	—	—	—	10×12.5	F12	0.061	0.18	1250
220	—	—	—	—	—	—	—	—	—	—	10×16	F16	0.042	0.12	1650
270	—	—	—	—	—	—	—	—	—	—	10×20	F20	0.030	0.090	2060
330	—	—	—	—	—	10×12.5	F12	0.039	0.14	1560	10×25	F25	0.028	0.084	2420
470	10×12.5	F12	0.039	0.14	1560	10×16	F16	0.028	0.10	2000	12.5×20	G20	0.027	0.068	2300
560	—	—	—	—	—	10×20	F20	0.020	0.060	2500	12.5×25	G25	0.023	0.059	2800
680	10×16	F16	0.028	0.10	2000	10×25	F25	0.017	0.051	2900	12.5×30	G30	0.021	0.052	3500
820	10×20	F20	0.020	0.060	2500	—	—	—	—	—	12.5×35	G35	0.019	0.051	3810
1000	10×25	F25	0.017	0.051	2900	12.5×20	G20	0.017	0.043	2600	16×20	J20	0.023	0.059	3070
1200	—	—	—	—	—	12.5×25	G25	0.015	0.038	3200	—	—	—	—	—
1500	12.5×20	G20	0.017	0.043	2600	12.5×30	G30	0.013	0.033	3795	—	—	—	—	—
1800	12.5×25	G25	0.015	0.038	3200	16×20	J20	0.015	0.038	3575	—	—	—	—	—
2200	12.5×30	G30	0.013	0.033	3795	12.5×35	G35	0.012	0.031	4120	—	—	—	—	—
2700	16×20	J20	0.015	0.038	3575	16×25	J25	0.013	0.035	3810	—	—	—	—	—
2700	12.5×35	G35	0.012	0.031	4120	—	—	—	—	—	—	—	—	—	—
3300	16×25	J25	0.013	0.035	3810	—	—	—	—	—	—	—	—	—	—

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