

## 105°C Use, Miniature, High-Reliability, Extra Low Impedance Capacitors Series RJF

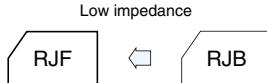
- Higher ripple current than RJB Series.

The addition of 5L and 7L.

- Guarantees 5000 hours at 105°C.

(5L, 7L: 1000 hours ; ø 5 to 6.3: 2000 hours ;

ø 8 to 10: 3000 hours)



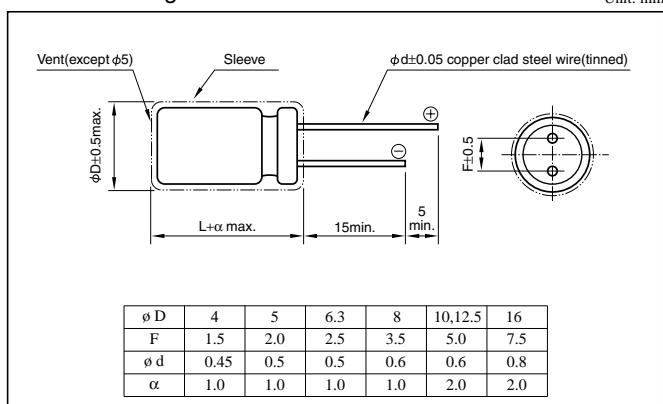
Marking color : White print on a black sleeve

## 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)	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	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	5L & 7L : 1000 hours ø 5 & ø 6.3 : 2000 hours ø 8 & ø 10 : 3000 hours ø 12.5 & ø 16 : 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													
Applicable standards	JIS C5101-1, -4 1998 (IEC 60384-1 1992, -4 1985)												

## Outline Drawing

Unit: mm



## Coefficient of Frequency for Rated Ripple Current

Frequency(Hz) Rated capacitance(µF)	120	1k	10k	100k
5.6 to 180	0.40	0.75	0.90	1
220 to 390	0.50	0.85	0.95	1
470 to 1800	0.60	0.88	0.96	1
2200 to 3900	0.75	0.90	0.98	1
4700 to 6800	0.85	0.95	1	1

## Part numbering system (example: 10V1000µF)

Environmental item	RJF	—	10	V	102	M	H4	#
Former item	RJF	—	10	V	102	M	H4	Casing symbol

- The electric characteristics are described on page 106.

- The standard ratings are described on the next page.

## NOTE

Design, Specifications are subject to change without notice.  
Ask factory for technical specifications before purchase and/or use.

