

RJ series

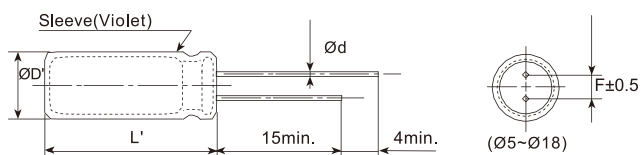
- Miniaturized
- Low impedance, high ripple current, long life
- Endurance: +105°C 8,000 ~12,000 hours
- RoHS Compliant



SPECIFICATIONS

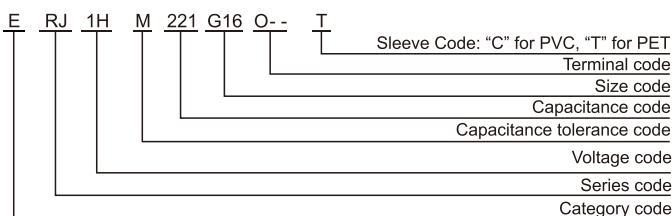
Items	Characteristics		
Category Temperature Range	-40~+105°C		
Rated Voltage Range	10~120 V _{dc}		
Capacitance Tolerance	±20%(M) (at 20°C, 120Hz)		
Leakage Current	I ≤ 0.01CV or 3μA, whichever is greater. Where, I: Max. leakage current (μA), C: Nominal capacitance (μF), V: Rated voltage (V) (at 20°C after 2 minutes)		
Dissipation Factor (tanδ)	Rated Voltage(V _{dc})	10 16 25 35 50 63 80 100 120	
	tanδ (max.)	0.19 0.16 0.14 0.12 0.10 0.09 0.09 0.08 0.12	
	When nominal capacitance exceeds 1,000μF, add 0.02 to the value above for each 1,000μF increase. (at 20°C, 120Hz)		
Low Temperature Characteristics (Max. Impedance Ratio)	Rated Voltage(V _{dc})	10 16 25 35 50 63 80 100 120	
	Z(-25°C)/Z(+20°C)	2 2 3	
	Z(-40°C)/Z(+20°C)	4 3 6 (at 120Hz)	
Endurance	The specifications listed below shall be met when the capacitors are restored to 20°C after DC voltage plus rated ripple current is applied for a specified period of time at 105 °C, the peak voltage shall not exceed the rated voltage.		
	Capacitance Change	≤±25% of the initial value (10V: ±30%)	Case Dia.(mm) Load life (hours)
	D.F. (tanδ)	≤200% of the initial specified value	ØD 6.3 10~120V 8,000
	Leakage Current	≤The initial specified value	ØD=8&10 10,000 ØD 12.5 12,000
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after leaving them under no load at 105°C for 1,000 hours.		
	Capacitance Change	≤±25% of the initial value (10V: ±30%)	
	D.F. (tanδ)	≤200% of the initial specified value	
	Leakage Current	≤200% of the initial specified value	

DIMENSIONS[mm]



ØD	5	6.3	8	10	12.5	16	18
Ød	0.5	0.5	0.5	0.6	0.6	0.8	0.8
F	2.0	2.5	3.5	5.0	5.0	7.5	7.5
ØD'	ØD+0.5max.						
L'	L+2max.						

PART NUMBERING SYSTEM



RATED RIPPLE CURRENT MULTIPLIERS

Frequency correction factor for ripple current

Freq.(Hz)	120	1k	10k	100k
Cap.<47	0.42	0.70	0.90	1.00
47 Cap.<330	0.50	0.73	0.92	1.00
330 Cap.<820	0.55	0.77	0.94	1.00
820 Cap.<2200	0.60	0.80	0.96	1.00
Cap. 2200	0.70	0.85	0.98	1.00

Radial Type



