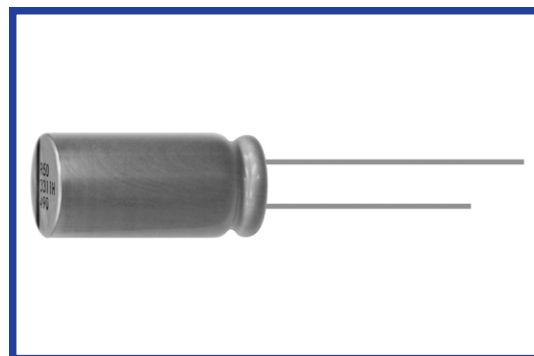


RX50 SERIES

Load Life : 150°C 1000 hours.

◆FEATURES

- Solution for high temperature application such as automobile electronics.
- RoHS compliance.

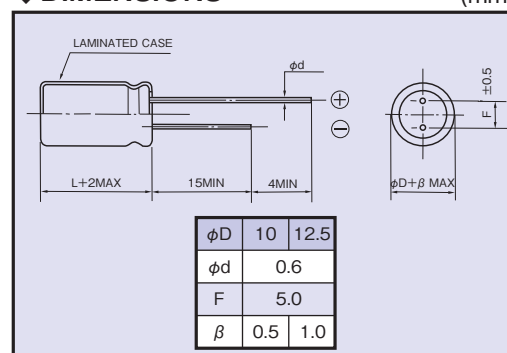


◆SPECIFICATIONS

Items	Characteristics					
Category Temperature Range	-40~+150°C					
Rated Voltage Range	10~63V.DC					
Capacitance Tolerance	±20% (20°C, 120Hz)					
Leakage Current(MAX)	$I=0.01CV$ or $3\mu A$ whichever is greater. (After 5 minutes application of rated voltage) I =Leakage Current(μA) C =Capacitance(μF) V =Rated Voltage(V)					
Dissipation Factor(MAX) (tan δ)	Rated Voltage (V)	10	16	25	35	50 63 (20°C, 120Hz)
	tan δ	0.20	0.16	0.14	0.12	0.12 0.11
Endurance	After applying rated voltage with rated ripple current for 1000 hours at 150°C, the capacitors shall meet the following requirements.					
	Capacitance Change	Within ±30% of the initial value.				
	Dissipation Factor	Not more than 300% of the specified value.				
	Leakage Current	Not more than the specified value.				
Low Temperature Stability Impedance Ratio(MAX)	Rated Voltage (V)	10	16	25	35	50 63 (120Hz)
	Z(-25°C) / Z(20°C)	2	2	2	2	2 2
	Z(-40°C) / Z(20°C)	4	4	4	4	4 4

◆DIMENSIONS

(mm)



◆MULTIPLIER FOR RIPPLE CURRENT

Frequency (Hz)		60(50)	120	1k	10k	100k≤
Coefficient	47~220μF	0.30	0.40	0.75	0.92	1.00
	330~1000μF	0.40	0.50	0.80	0.95	1.00

◆STANDARD SIZE

Rated Voltage (V·DC)	capacitance (μF)	Size $\phi D \times L$ (mm)	Rated ripple current (mA r.m.s./150°C, 100kHz)	Rated Voltage (V·DC)	capacitance (μF)	Size $\phi D \times L$ (mm)	Rated ripple current (mA r.m.s./150°C, 100kHz)
10 (1A)	470	10×16	370	35 (1V)	100	10×16	370
	1000	12.5×20	600		220	10×20	460
16 (1C)	330	10×16	370		330	12.5×20	600
	470	10×20	460		470	12.5×25	750
	1000	12.5×25	750	50 (1H)	100	10×20	300
25 (1E)	220	10×16	370		220	12.5×20	400
	330	10×20	460		330	12.5×25	500
	470	12.5×20	600	63 (1J)	47	10×16	220
					100	12.5×20	350

◆PART NUMBER

□□□ RX50 □□□□□ M □□□ □□ D×L
 Rated Voltage Series Capacitance Capacitance Tolerance Option Lead Forming Case Size