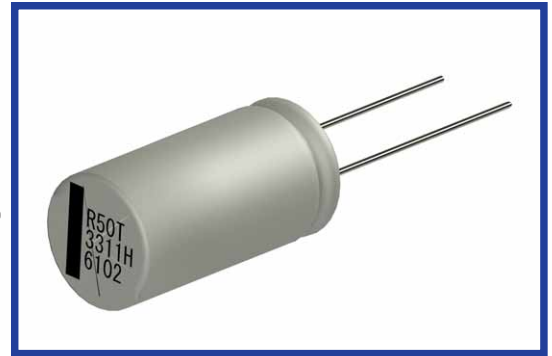


RX50 SERIES

Load Life : 150°C 1000 hours

- Solution for high temperature application such as automobile electronics.
- AEC-Q200.

RoHS
compliance

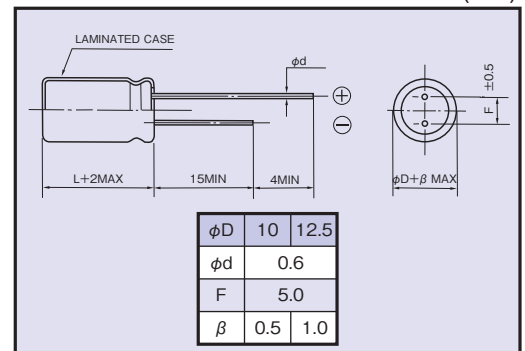


SPECIFICATIONS

Items	Characteristics					
Category Temperature Range	-40~+150°C					
Rated Voltage Range	10~63Vdc					
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(Vdc)					
Dissipation Factor(MAX) (tan δ)	Rated Voltage (Vdc)	10	16	25	35	50 63
		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 (Vdc)	10	16	25	35	50 63
	$Z(-25^{\circ}C)/Z(20^{\circ}C)$	2	2	2	2	2 2
	$Z(-40^{\circ}C)/Z(20^{\circ}C)$	4	4	4	4	4 4

DIMENSIONS

(mm)



MULTIPLIER FOR RIPPLE CURRENT

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

OPTION

Standard item is blank.

STANDARD SIZE

Rated Voltage (Vdc)	Capacitance (μF)	Size φD×L(mm)	Rated ripple current (mA r.m.s./150°C, 100kHz)
10	470	10×16	370
	1000	12.5×20	600
16	330	10×16	370
	470	10×20	460
	1000	12.5×25	750
25	220	10×16	370
	330	10×20	460
	470	12.5×20	600
35	100	10×16	370
	220	10×20	460
	330	12.5×20	600
	470	12.5×25	750
50	100	10×20	300
	220	12.5×20	400
	330	12.5×25	500
63	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