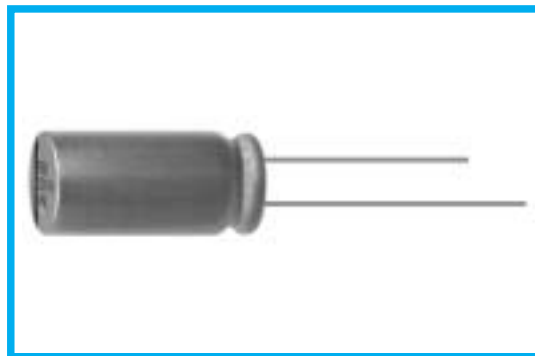


RX50 SERIES
Load Life : 150°C 1000 hours.
◆FEATURES

- 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 μA whichever is greater. (After 5 minutes application of rated voltage)	
	I=Leakage Current(μA)	C=Rated 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 1000hrs 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

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

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

◆PART NUMBER

□□□	RX50	□□□□□	□	□□□	□□	DXL
Rated Voltage	Series	Rated Capacitance	Capacitance Tolerance	Option	Lead Forming	Case Size

