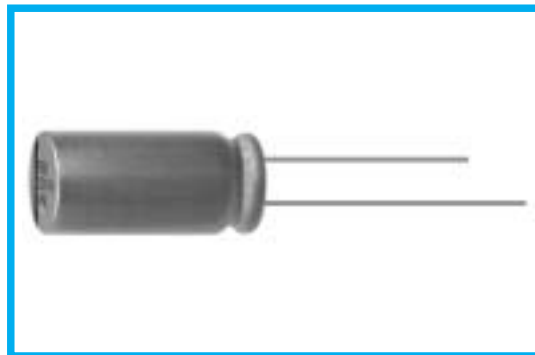


**RX50 SERIES**
**Load Life : 150°C 1000 hours.**
**◆FEATURES**

- 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

