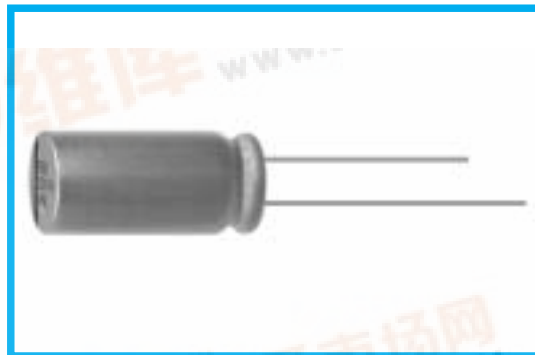


RX50 SERIES

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℃																											
Rated Voltage Range	10~63V.DC																											
Capacitance Tolerance	±20% (20℃, 120Hz)																											
Leakage Current(MAX)	I=0.01CV or 3 μA whichever is greater. (After 5 minutes application of rated voltage)																											
	I=Leakage Current(μ A)		C=Rated Capacitance(μ F)			V=Rated Voltage(V)																						
Dissipation Factor(MAX) (tan δ)	<table><tr><td>Rated Voltage (V)</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td></tr><tr><td>tan δ</td><td>0.20</td><td>0.16</td><td>0.14</td><td>0.12</td><td>0.12</td><td>0.11</td></tr></table>						Rated Voltage (V)	10	16	25	35	50	63	tan δ	0.20	0.16	0.14	0.12	0.12	0.11	(20℃, 120Hz)							
	Rated Voltage (V)	10	16	25	35	50	63																					
tan δ	0.20	0.16	0.14	0.12	0.12	0.11																						
Endurance	Afte applying rated voltage with rated ripple current for 1000hrs at 150℃, 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.																									
Low Temperature Stability Impedance Ratio(MAX)	Leakage Current		Not more than the specified value.																									
	<table><tr><td>Rated Voltage (V)</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td></tr><tr><td>Z(-25℃)/Z(20℃)</td><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td></tr><tr><td>Z(-40℃)/Z(20℃)</td><td>4</td><td>4</td><td>4</td><td>4</td><td>4</td><td>4</td></tr></table>						Rated Voltage (V)	10	16	25	35	50	63	Z(-25℃)/Z(20℃)	2	2	2	2	2	2	Z(-40℃)/Z(20℃)	4	4	4	4	4	4	(120Hz)
	Rated Voltage (V)	10	16	25	35	50	63																					
Z(-25℃)/Z(20℃)	2	2	2	2	2	2																						
Z(-40℃)/Z(20℃)	4	4	4	4	4	4																						

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

Frequency (Hz)		60 (50)	120	1k	10k	100k $\leq$
Coefficient	47 $\sim$ 220 μ F	0.30	0.40	0.75	0.92	1.00
	330 $\sim$ 1000 μ F	0.40	0.50	0.80	0.95	1.00

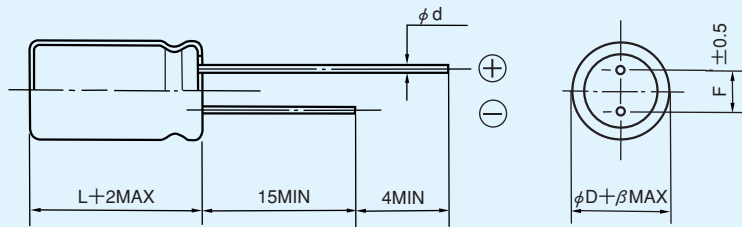
◆PART NUMBER

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



◆DIMENSIONS

(mm)



ϕD	10	12.5
ϕd	0.6	
F	5.0	
β	0.5	1.0

◆STANDARD SIZE, RATED RIPPLE CURRENT

Size $\phi D \times L$ (mm), Ripple Current (mA r.m.s./150°C, 100kHz)

WV(V.DC) Cap(μF)	10 (1A)		16 (1C)		25 (1E)		35 (1V)		50 (1H)		63 (1J)	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
47											10×16	220
100							10×16	370	10×20	300	12.5×20	350
220					10×16	370	10×20	460	12.5×20	400		
330			10×16	370	10×20	460	12.5×20	600	12.5×25	500		
470	10×16	370	10×20	460	12.5×20	600	12.5×25	750				
1000	12.5×20	600	12.5×25	750								