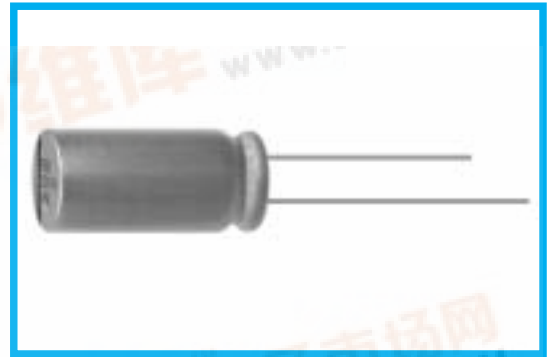


**RX50** SERIES

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( μ A)      C=Rated Capacitance( μ F)      V=Rated Voltage(V)																						
Dissipation Factor(MAX) (tan δ)	(20°C, 120Hz)																						
		<table border="1"> <thead> <tr> <th>Rated Voltage (V)</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> </tr> </thead> <tbody> <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> </tbody> </table>	Rated Voltage (V)	10	16	25	35	50	63	tan δ	0.20	0.16	0.14	0.12	0.12	0.11							
Rated Voltage (V)	10	16	25	35	50	63																	
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)	(120Hz)																						
	<table border="1"> <thead> <tr> <th>Rated Voltage (V)</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> </tr> </thead> <tbody> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z(-40°C)/Z(20°C)</td> <td>4</td> <td>4</td> <td>4</td> <td>4</td> <td>4</td> <td>4</td> </tr> </tbody> </table>	Rated Voltage (V)	10	16	25	35	50	63	Z(-25°C)/Z(20°C)	2	2	2	2	2	2	Z(-40°C)/Z(20°C)	4	4	4	4	4	4	
	Rated Voltage (V)	10	16	25	35	50	63																
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



