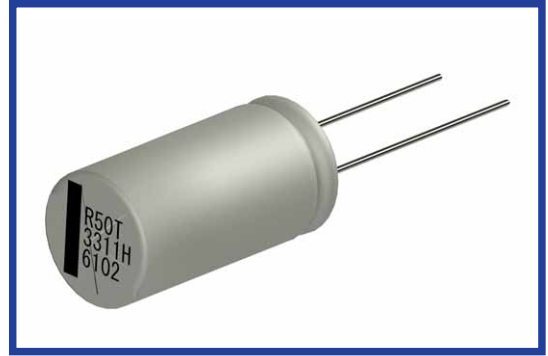


RX50 SERIES

Load Life : 150°C 1000 hours

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

RoHS compliance

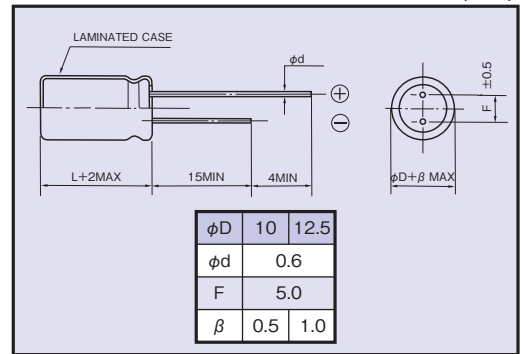


◆SPECIFICATIONS

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 3μA whichever is greater. (After 5 minutes application of rated voltage) I=Leakage Current(μA) C=Capacitance(μF) V=Rated Voltage(Vdc)																						
Dissipation Factor(MAX) (tanδ)	<table border="1"> <tr> <td>Rated Voltage (Vdc)</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> </tr> <tr> <td>tanδ</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> (20°C, 120Hz)	Rated Voltage (Vdc)	10	16	25	35	50	63	tanδ	0.20	0.16	0.14	0.12	0.12	0.11								
Rated Voltage (Vdc)	10	16	25	35	50	63																	
tanδ	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. <table border="1"> <tr> <td>Capacitance Change</td> <td>Within ±30% of the initial value.</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 300% of the specified value.</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the specified value.</td> </tr> </table>		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.															
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Leakage Current	Not more than the specified value.																						
Low Temperature Stability Impedance Ratio(MAX)	<table border="1"> <tr> <td>Rated Voltage (Vdc)</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> </tr> <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> </table> (120Hz)	Rated Voltage (Vdc)	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 (Vdc)	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																	

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