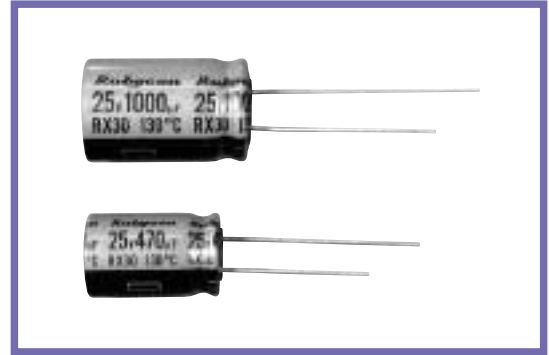


RX30 SERIES
UPGRADE
130°C Long Life, Low impedance.
◆ FEATURES

- Load Life : 130°C 2000~4000hours.
- Low impedance at 100kHz with selected materials.
- Solution for high temperature application such as automobile electronics.


◆ SPECIFICATIONS

Items	Characteristics																								
Category Temperature Range	-40~+130°C																								
Rated Voltage Range	10~63V.DC																								
Capacitance Tolerance	±20%(20°C, 120Hz)																								
Leakage Current(MAX)	I=0.01CV or 3μA whichever is greater. (After 2 minutes application of rated voltage) I=Leakage Current(μA) C=Rated Capacitance(μF) V=Rated Voltage(V)																								
Dissipation Factor(MAX)	<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> <th>(20°C, 120Hz)</th> </tr> </thead> <tbody> <tr> <td>tanδ</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.09</td> <td></td> </tr> </tbody> </table>	Rated Voltage (V)	10	16	25	35	50	63	(20°C, 120Hz)	tanδ	0.20	0.16	0.14	0.12	0.10	0.09									
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Z(-25°C)/Z(20°C)	3	2	2	2	2	2																			
Z(-40°C)/Z(20°C)	6	4	3	3	3	3																			

◆ MULTIPLIER FOR RIPPLE CURRENT

(1) Frequency coefficient

Frequency (Hz)		60(50)	120	1k	10k	100k≤
Coefficient	1~4.7μF	0.35	0.42	0.60	0.80	1.00
	10~33μF	0.45	0.55	0.75	0.90	1.00
	47~330μF	0.60	0.70	0.85	0.95	1.00
	470~1000μF	0.65	0.75	0.90	0.98	1.00
	2200μF	0.75	0.80	0.95	1.00	1.00

(2) Temperature coefficient

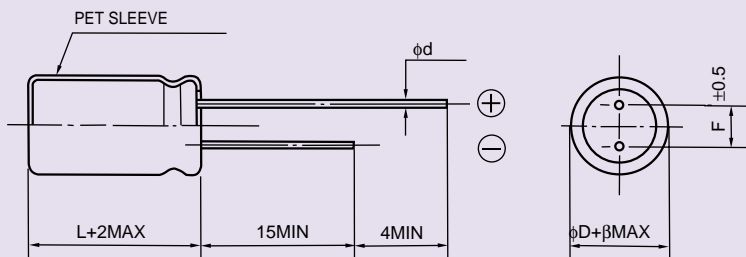
Ambient Temperature (°C)	130	105	85≥
Coefficient	1.0	1.8	2.1

◆ PART NUMBER

□□□	RX30	□□□□□	□	□□□	□□	DxL
Rated Voltage	Series	Rated Capacitance	Capacitance Tolerance	Option	Lead Forming	Case Size

◆ DIMENSIONS

(mm)



ϕD	8	10	12.5
ϕd	0.6		
F	3.5	5.0	
β	0.5		1.0

◆ STANDARD SIZE

Rated voltage 10V(1A)			
Rated capacitance (μF)	Size $\phi D \times L$ (mm)	Rated ripple current (mA r.m.s./130°C, 100kHz)	Impedance (Ω MAX)
			20°C, 100kHz
330	8x11.5	360	0.22
470	10x12.5	620	0.15
1000	10x20	960	0.073
2200	12.5x25	1430	0.040

Rated voltage 16V(1C)			
Rated capacitance (μF)	Size $\phi D \times L$ (mm)	Rated ripple current (mA r.m.s./130°C, 100kHz)	Impedance (Ω MAX)
			20°C, 100kHz
330	8x11.5	360	0.22
470	10x12.5	620	0.15
1000	10x20	960	0.073
2200	12.5x25	1430	0.040

Rated voltage 25V(1E)			
Rated capacitance (μF)	Size $\phi D \times L$ (mm)	Rated ripple current (mA r.m.s./130°C, 100kHz)	Impedance (Ω MAX)
			20°C, 100kHz
220	8x11.5	360	0.22
330	10x12.5	620	0.15
470	10x16	800	0.10
1000	12.5x20	1100	0.055

Rated voltage 35V(1V)			
Rated capacitance (μ F)	Size ϕ DxL (mm)	Rated ripple current (mA r.m.s./130°C, 100kHz)	Impedance (Ω MAX)
			20°C, 100kHz
100	8x11.5	360	0.22
220	10x12.5	620	0.15
330	10x16	800	0.10
470	10x20	960	0.073
1000	12.5x25	1430	0.040

Rated voltage 50V(1H)			
Rated capacitance (μ F)	Size ϕ DxL (mm)	Rated ripple current (mA r.m.s./130°C, 100kHz)	Impedance (Ω MAX)
			20°C, 100kHz
1	8x11.5	35	2.5
2.2	8x11.5	50	1.8
3.3	8x11.5	70	1.3
4.7	8x11.5	100	0.85
10	8x11.5	200	0.60
22	8x11.5	260	0.35
33	8x11.5	300	0.28
47	8x11.5	300	0.28
100	10x12.5	520	0.18
220	10x20	890	0.082
330	12.5x20	1000	0.065
470	12.5x25	1200	0.051

Rated voltage 63V(1J)			
Rated capacitance (μ F)	Size ϕ DxL (mm)	Rated ripple current (mA r.m.s./130°C, 100kHz)	Impedance (Ω MAX)
			20°C, 100kHz
33	8x11.5	250	0.40
47	10x12.5	380	0.27
100	10x16	450	0.20
220	12.5x20	820	0.10
330	12.5x25	1000	0.072