

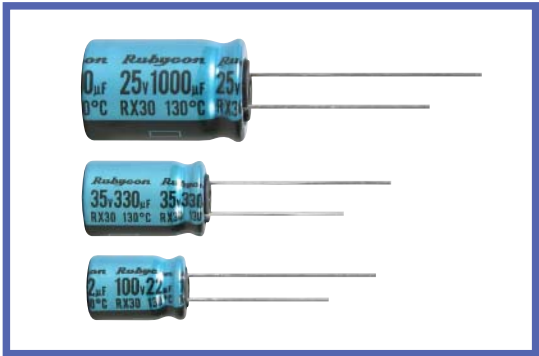
RX30 SERIES

UPGRADE

Endurance: 130°C 1000~ 4000 hours.

◆ FEATURES

- For Electronic Ballast of CFL, For Power Supply.



◆ SPECIFICATIONS

Items	Characteristics																				
Category Temperature Range	-40 ~+130°C					-25 ~+130°C															
Rated Voltage Range	10~100V.DC					200,400V.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)					CV≤1000			CV>1000												
						I=0.1CV+40μA (1 minute)			I=0.04CV+100μA (1 minute)												
						I=0.03CV+15μA (5 minutes)			I=0.02CV+25μA (5 minutes)												
	I=Leakage Current(μA) C=Rated Capacitance(μF) V=Rated Voltage(V)																				
Dissipation Factor(MAX) (tanδ)	(20°C,120Hz)																				
	Rated Voltage (V)	10	16	25	35	50	63	100	200	400											
<table><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>0.08</td><td>0.15</td><td>0.20</td></tr></table>											tanδ	0.20	0.16	0.14	0.12	0.10	0.09	0.08	0.15	0.20	
tanδ	0.20	0.16	0.14	0.12	0.10	0.09	0.08	0.15	0.20												
When rated capacitance is over 1000μF, tanδ shall be added 0.02 to the listed value with increase of every 1000μF.																					
Endurance	After life test with rated ripple current at conditions stated in the table below, the capacitors shall meet the following requirements.																				
	10~100WV					200,400WV															
	Capacitance Change	Within ±30% of the initial value.					Within ±20% of the initial value.														
	Dissipation Factor	Not more than 300% of the specified value.					Not more than 200% of the specified value.														
	Leakage Current	Not more than the specified value.																			
	<table><tr><td rowspan="4">Case Size</td><td colspan="2">Life Time (hrs)</td></tr><tr><td>10~100WV</td><td>200,400WV</td></tr><tr><td>φ D=6.3</td><td>— 1000</td></tr><tr><td>φ D=8, 10</td><td>2000 2000</td></tr><tr><td>φ D≥12.5</td><td>4000 —</td></tr></table>										Case Size	Life Time (hrs)		10~100WV	200,400WV	φ D=6.3	— 1000	φ D=8, 10	2000 2000	φ D≥12.5	4000 —
Case Size	Life Time (hrs)																				
	10~100WV	200,400WV																			
	φ D=6.3	— 1000																			
	φ D=8, 10	2000 2000																			
φ D≥12.5	4000 —																				
Low Temperature Stability Impedance Ratio(MAX)	(120Hz)																				
	Rated Voltage (V)	10	16	25	35	50	63	100	200	400											
	Z(-25°C)/Z(20°C)	3	2	2	2	2	2	2	3	6											
<table><tr><td>Z(-40°C)/Z(20°C)</td><td>6</td><td>4</td><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td><td>-</td><td>-</td></tr></table>											Z(-40°C)/Z(20°C)	6	4	3	3	3	3	3	3	-	-
Z(-40°C)/Z(20°C)	6	4	3	3	3	3	3	3	-	-											

◆ MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient
10WV~100WV

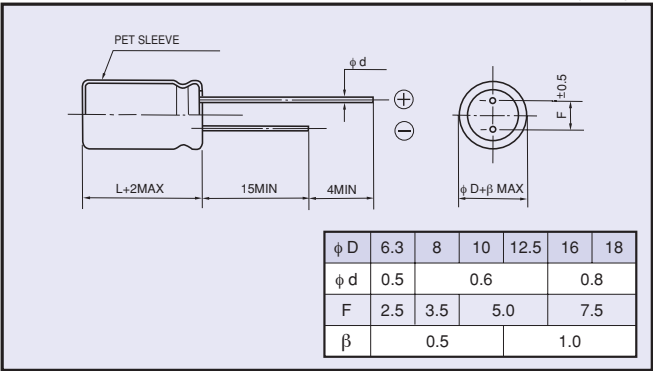
Frequency(Hz)		60(50)	120	1k	10k	100k≤
Coefficient	1~4.7μF	0.35	0.42	0.60	0.80	1.00
	10~33μF	0.45	0.55	0.75	0.90	1.00
	47~330μF	0.60	0.70	0.85	0.95	1.00
	470~1500μF	0.65	0.75	0.90	0.98	1.00
	2200~4700μF	0.75	0.80	0.95	1.00	1.00

200WV,400WV

Frequency(Hz)		120	1k	10k	100k≤
Coefficient	1~5.6μF	0.20	0.40	0.80	1.00
	6.8~15μF	0.30	0.60	0.90	1.00
	22μF	0.50	0.80	0.90	1.00

◆ DIMENSIONS

(mm)



◆ PART NUMBER

□□□ RX30 □□□□□ □ □□□ □□ D×L
Rated Voltage Series Rated Capacitance Capacitance Tolerance Option Lead Forming Case Size

◆ STANDARD SIZE

Rated Voltage (V·DC)	Rated capacitance (μF)	Size φ D×L(mm)	Rated ripple current (mA r.m.s./130°C, 100kHz)	Impedance(Ω MAX)
				20°C, 100kHz
10 (1A)	330	8×11.5	360	0.22
	470	10×12.5	620	0.15
	1000	10×20	960	0.073
	2200	12.5×25	1430	0.040
	3300	16×25	1900	0.038
	4700	16×31.5	2300	0.034
16 (1C)	330	8×11.5	360	0.22
	470	10×12.5	620	0.15
	1000	10×20	960	0.073
	2200	12.5×25	1430	0.040
	3300	16×31.5	2300	0.034
	4700	16×35.5	2550	0.031
25 (1E)	220	8×11.5	360	0.22
	330	10×12.5	620	0.15
	470	10×16	800	0.10
	1000	12.5×20	1100	0.055
	2200	16×31.5	2300	0.034
	3300	16×35.5	2550	0.031
35 (1V)	100	8×11.5	360	0.22
	220	10×12.5	620	0.15
	330	10×16	800	0.10
	470	10×20	960	0.073
	1000	12.5×25	1430	0.040
	2200	16×35.5	2550	0.031
	3300	18×35.5	2800	0.028
50 (1H)	1	8×11.5	35	2.5
	2.2	8×11.5	50	1.8
	3.3	8×11.5	70	1.3
	4.7	8×11.5	100	0.85
	10	8×11.5	200	0.60
	22	8×11.5	260	0.35
	33	8×11.5	300	0.28
	47	8×11.5	300	0.28
	100	10×12.5	520	0.18
	220	10×20	890	0.082
	330	12.5×20	1000	0.065
	470	12.5×25	1200	0.051
	1000	16×31.5	2180	0.037
	2200	18×40	2800	0.029
63 (1J)	33	8×11.5	250	0.40
	47	10×12.5	400	0.27
	100	10×16	450	0.20
	220	12.5×20	820	0.10
	330	12.5×25	1000	0.072
	470	16×25	1500	0.069
	1000	16×31.5	1850	0.056
	1500	18×40	2350	0.043
100 (2A)	4.7	8×11.5	100	1.3
	10	8×11.5	200	1.0
	22	8×11.5	220	0.67
	33	10×12.5	260	0.45
	47	10×16	330	0.33
	100	12.5×20	670	0.17
	220	16×25	1100	0.13
	330	16×31.5	1300	0.10
	470	18×31.5	1600	0.092

◆ STANDARD SIZE

Rated Voltage (V·DC)	Rated capacitance (μF)	Size φ D×L(mm)	Rated ripple current (mA r.m.s./130°C, 100kHz)
200 (2D)	4.7	6.3×11	100
		8×11.5	120
	5.6	8×11.5	130
		8×16	180
	6.8	8×11.5	130
		8×16	180
	10	8×16	200
		8×20	240
400 (2G)	1	8×16	200
		8×20	240
	15	8×16	240
		8×20	240
	22	8×20	240
		10×16	240
	33	10×16	240
		10×20	320
	1	6.3×11	60
		8×11.5	65
	1.5	8×11.5	75
		8×16	80
	1.8	8×11.5	75
		8×16	85
	2.2	8×11.5	75
		8×16	90
	2.7	8×20	110
		8×16	95
	3.3	8×20	115
		8×16	100
	4.7	8×20	120
		10×16	125
	5.6	10×16	130
		10×20	145
	6.8	10×20	150