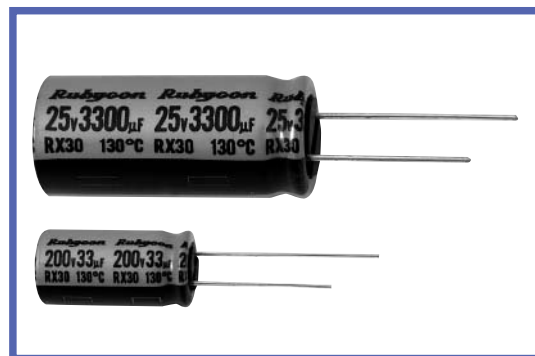


RX30 SERIES

Load Life : 130°C 1000~4000hours.

◆FEATURES

- For Electronic Ballast of CFL, For Power Supply.
- RoHs compliance



◆SPECIFICATIONS

Items	Characteristics																													
Category Temperature Range	-40~+130℃					-25~+130℃																								
Rated Voltage Range	10~100V.DC					200,400V.DC																								
Capacitance Tolerance	±20% (20℃, 120Hz)																													
Leakage Current(MAX)	I=0.01CV or 3 μA whichever is greater. (After 2 minutes application of rated voltage)					CV ≤ 1000			CV > 1000																					
						I=0.1CV+40 μA (1 minute) I=0.03CV+15 μA (5 minutes)			I=0.04CV+100 μA (1 minute) I=0.02CV+25 μA (5 minutes)																					
	I=Leakage Current(μA) C=Rated Capacitance(μF) V=Rated Voltage(V)																													
(tanδ) Dissipation Factor(MAX)	<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><td>100</td><td>200</td><td>400</td></tr><tr><td>tan δ</td><td>0.20</td><td>0.16</td><td>0.14</td><td>0.12</td><td>0.10</td><td>0.09</td><td>0.08</td><td>0.15</td><td>0.20</td></tr></table> (20℃, 120Hz) When rated capacitance is over 1000 μF, tan δ shall be added 0.02 to the listed value with increase of every 1000 μF.										Rated Voltage(V)	10	16	25	35	50	63	100	200	400	tan δ	0.20	0.16	0.14	0.12	0.10	0.09	0.08	0.15	0.20
Rated Voltage(V)	10	16	25	35	50	63	100	200	400																					
tan δ	0.20	0.16	0.14	0.12	0.10	0.09	0.08	0.15	0.20																					
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.																											
	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)																														
	Rated Voltage(V)		10			16			25																					
	Z (-25℃)/Z (20℃)		3			2			2																					
	Z (-40℃)/Z (20℃)		6			4			3																					

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient
10WV~100WV

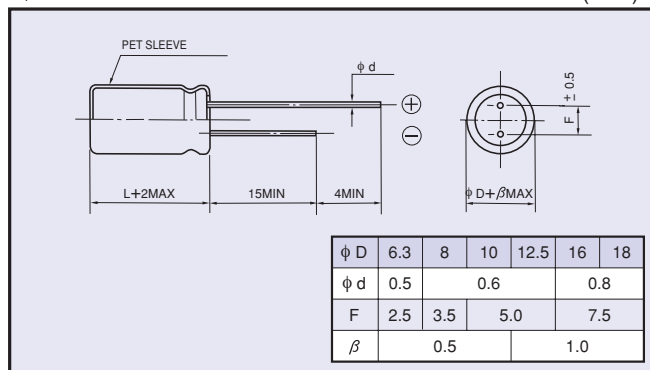
Frequency (Hz)		60 (50)	120	1k	10k	100k ≤
Coefficient	1~4.7 μF	0.35	0.42	0.60	0.80	1.00
	10~33 μF	0.45	0.55	0.75	0.90	1.00
	47~330 μF	0.60	0.70	0.85	0.95	1.00
	470~1500μF	0.65	0.75	0.90	0.98	1.00
	2200~4700uF	0.75	0.80	0.95	1.00	1.00

200WV,400WV

Frequency (Hz)		120	1k	10k	100k ≤
Coefficient	1~5.6 μF	0.20	0.40	0.80	1.00
	6.8~15 μF	0.30	0.60	0.90	1.00
	22~33 μF	0.50	0.80	0.90	1.00

◆DIMENSIONS

(mm)



◆PART NUMBER

 RX30 D x 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)	(Ω MAX) Impedance
				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

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
	15	8×16	200
		8×20	240
400 (2G)	22	8×20	240
		10×16	240
	33	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