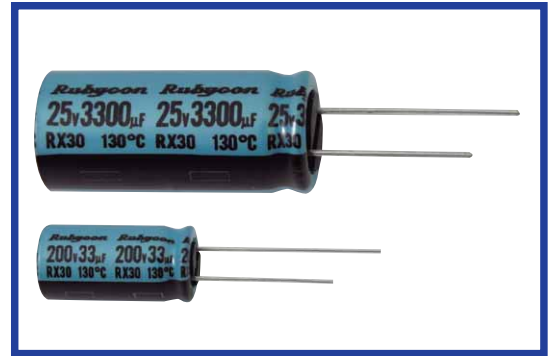


RX30 SERIES

Load Life : 130°C 1000~4000 hours

◆FEATURES

- For LED Lighting.
- For Automotive applications.
- RoHS compliance.



◆SPECIFICATIONS

Items	Characteristics		
Category Temperature Range	-40~+130°C		-25~+130°C
Rated Voltage Range	10~100Vdc		200, 400Vdc
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=Leakage Current(µA) C=Capacitance(µF) V=Rated Voltage(Vdc)		
(tanδ) Dissipation Factor(MAX)	Rated Voltage (Vdc)		(20°C, 120Hz)
	tanδ		
Endurance	After applying rated voltage with rated ripple current for specified time at 130°C, the capacitors shall meet the following requirements.		
		10~100Vdc	200, 400Vdc
	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.	
Low Temperature Stability Impedance Ratio(MAX)		Life Time (hrs)	
		10~100Vdc	200, 400Vdc
		φD=6.3	— 1000
		φD=8, 10	2000 2000
		φD≥12.5	4000 —

◆MULTIPLIER FOR RIPPLE CURRENT

10~100Vdc

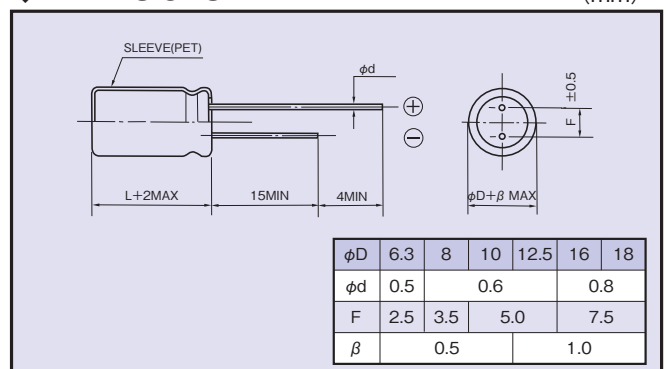
Frequency (Hz)	60(50)	120	1k	10k	100k≤
Coefficient	4.7µF	0.35	0.42	0.60	0.80
	10~33µF	0.45	0.55	0.75	0.90
	47~330µF	0.60	0.70	0.85	0.95
	470~1500µF	0.65	0.75	0.90	0.98
	2200~4700µF	0.75	0.80	0.95	1.00

200, 400Vdc

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

◆DIMENSIONS

(mm)



◆PART NUMBER

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

◆OPTION

	Code
PET Sleeve	Blank

◆STANDARD SIZE

Rated Voltage (Vdc)	Capacitance (μF)	Size φD×L(mm)	Rated ripple current (mA r.m.s./130°C, 100kHz)	Impedance (Ω MAX)
				20°C, 100kHz
10	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	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	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	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	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	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	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 (Vdc)	Capacitance (μF)	Size φD×L(mm)	Rated ripple current (mA r.m.s./130°C, 100kHz)
200	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	22	8×20	300
		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
		8×20	110
	2.7	8×16	95
		8×20	115
	3.3	8×16	100
		8×20	120
	4.7	8×20	120
		10×16	125
	5.6	10×16	130
		10×20	145
	6.8	10×20	150

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Website :

Welcome to visit www.ameya360.com

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692
Email amall@ameya360.com
QQ 800077892
Skype ameyasales1 ameyasales2

➤ Customer Service :

Email service@ameya360.com

➤ Partnership :

Tel +86 (21) 64016692-8333
Email mkt@ameya360.com