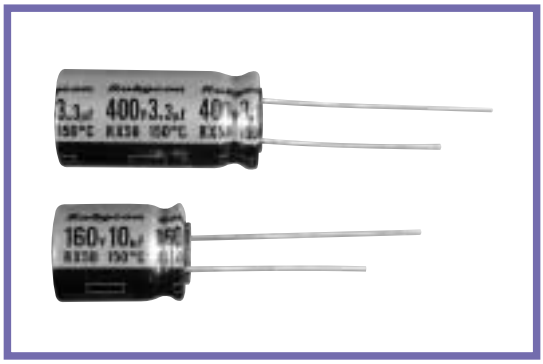
Rubycon MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS RX50

RX50 SERIES

NEW

Load Life : 150°C, 1000 hours.



♦FEATURES

- For Electronic Ballast, Power Supply.

♦SPECIFICATIONS

Items	Characteristics
Category Temperature Range	-25~+150°C
Rated Voltage Range	160~400V.DC
Capacitance Tolerance	±20%(20°C,120Hz)
Leakage Current(MAX)	I=0.04CV+100μA (After 1 minutes application of rated voltage) I=0.02CV+25μA (After 5 minutes application of rated voltage) I=Leakage Current(μA) C=Rated Capacitance(μF) V=Rated Voltage(V)
Dissipation Factor(MAX)	Rated Voltage (V): 160 / 200 / 350 / 400 tanδ: 0.20 / 0.20 / 0.25 / 0.25 (20°C,120Hz)
Endurance	After applying rated voltage with rated ripple current for 1000 hrs at 150°C, the capacitors shall meet the following requirements. Capacitance Change: Within ±25% of the initial value. Dissipation Factor: Not more than 200% of the specified value. Leakage Current: Not more than the specified value.
Low Temperature Stability Impedance Ratio(MAX)	Rated Voltage (V): 160 / 200 / 350 / 400 Z(-25°C)/Z(20°C): 3 / 3 / 6 / 6 (120Hz)

♦MULTIPLIER FOR RIPPLE CURRENT

(1)Frequency coefficient

Frequency (Hz)	60(50)	120	500	1k	10k≦
Coefficient	0.8	1.0	1.20	1.30	1.50

(2)Temperature coefficient

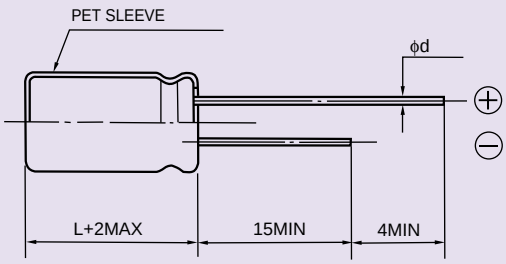
Ambient Temperature (°C)	150	125	105≧
Coefficient	1.0	1.8	2.0

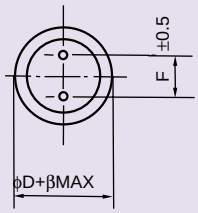
♦PART NUMBER

□□□ Rated Voltage | RX50 Series | □□□□□ Rated Capacitance | □ Capacitance Tolerance | □□□ Option | □□ Lead Forming | DxL Case Size

♦DIMENSIONS

(mm)





φD	10	12.5
φd	0.6	
F	5.0	
β	0.5	1.0

♦STANDARD SIZE, RATED RIPPLE CURRENT

Size φDxL(mm), Ripple Current (mA r.m.s./150°C, 120Hz)

WV(V.DC) / Cap(μF)	160 (2C)		200 (2D)		350 (2V)		400 (2G)	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
2.2							10x16	42
3.3					10x16	55	10x20	57
4.7					10x20	75	12.5x20	78
6.8			10x12.5	100	12.5x20	100		
10	10x12.5	125	10x16	130				
15	10x16	145	10x20	160				
22	10x20	170	12.5x20	200				
33	12.5x20	220						