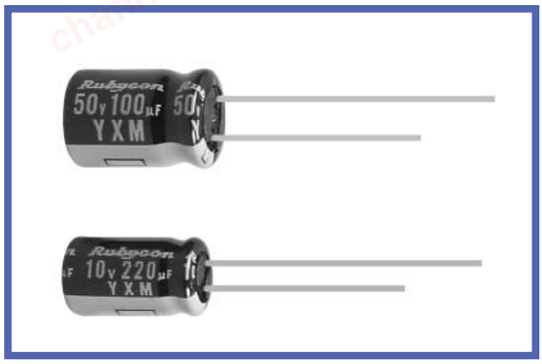
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Rubycon

INIATURE ALUMINUM ELECTROLYTIC CAPACITORS YXM

YXM SERIES

Load Life : 105°C 10000 hours. Miniaturized.



◆FEATURES

- Miniaturized Long Life.
- RoHS compliance.

◆SPECIFICATIONS

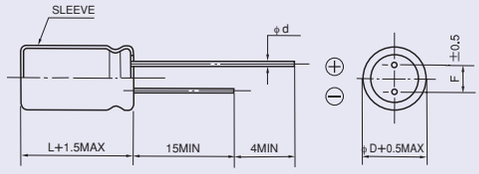
Items	Characteristics
Category Temperature Range	−25～+105°C
Rated Voltage Range	10～100V.DC
Capacitance Tolerance	±20% (20°C, 120Hz)
Leakage Current(MAX)	I=0.01CV or 3 μA whichever is greater. (After 2 minutes) I=Leakage Current(μA) C=Rated Capacitance(μF) V=Rated Voltage(V)
(tanδ) Dissipation Factor(MAX)	(20°C, 120Hz)
Endurance	After applying rated voltage with rated ripple current for 10000 hrs at 105°C, the capacitors shall meet the following requirements.
Low Temperature Stability Impedance Ratio(MAX)	(120Hz)

Rated Voltage (V)	10	16	25	35	50	63	100
tanδ	0.45	0.35	0.30	0.22	0.19	0.17	0.15

Endurance	
Capacitance Change	Within ± 25% of the initial value.
Dissipation Factor	Not more than 300% of the specified value.
Leakage Current	Not more than the specified value.

Rated Voltage (V)	10	16	25	35	50	63	100
Z(−25°C)/Z(20°C)	8	6	4	4	3	3	3

◆DIMENSIONS (mm)



φD	5	6.3	8
φd	0.5		0.6
F	2.0	2.5	3.5

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

Frequency (Hz)		120	1k	10k	100k ≦
Coefficient	0.47~10 μF	0.42	0.60	0.80	1.00
	22~33 μF	0.55	0.75	0.90	1.00
	47~330 μF	0.70	0.85	0.95	1.00

◆STANDARD SIZE

Size φD×L(mm), Ripple Current (mA r.m.s./105℃, 100kHz)

WV (V.DC)	Cap (μF)	Size	Rated Ripple Current
10 (1A)	100	5×11	130
	220	6.3×11	210
	330	8×11.5	330
16 (1C)	47	5×11	130
	100	6.3×11	210
	220	8×11.5	330
25 (1E)	33	5×11	130
	47	5×11	130
	100	6.3×11	210
35 (1V)	33	5×11	130
	47	6.3×11	210
	100	8×11.5	330
50 (1H)	0.47	5×11	12
	1	5×11	25
	2.2	5×11	35
	3.3	5×11	70
	4.7	5×11	80
	10	5×11	90
	22	5×11	110
	33	6.3×11	190
	47	6.3×11	190
	100	8×11.5	270
63 (1J)	10	5×11	80
	22	6.3×11	170
	33	6.3×11	170
	47	8×11.5	240
100 (2A)	0.47	5×11	20
	1	5×11	40
	2.2	5×11	50
	3.3	5×11	60
	4.7	5×11	70
	10	6.3×11	150
	22	8×11.5	230

◆PART NUMBER

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