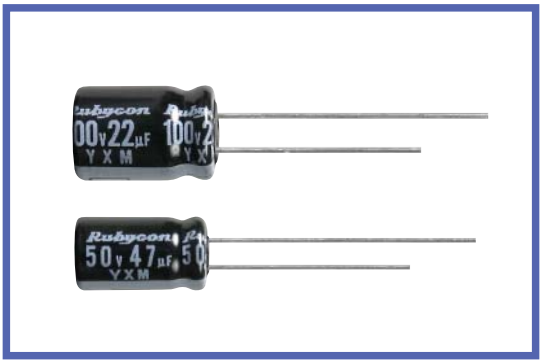
YXM SERIES

Load Life : 105°C 10,000 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 3μA whichever is greater. (After 2 minutes) I=Leakage Current(μA) C=Rated Capacitance(μF) V=Rated Voltage(V)
Dissipation Factor(MAX) (tanδ)	(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

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

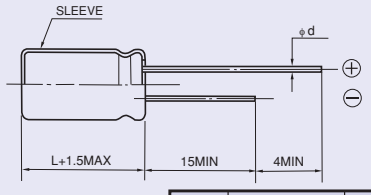
◆MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

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

◆DIMENSIONS

(mm)



φD	5	6.3	8
φd	0.5		0.6
F	2.0	2.5	3.5

◆PART NUMBER

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

◆STANDARD SIZE

Rated Voltage (V•DC)	Rated capacitance (μF)	Size φ D×L(mm)	Rated ripple current (mA r.m.s./105°C, 100kHz)
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