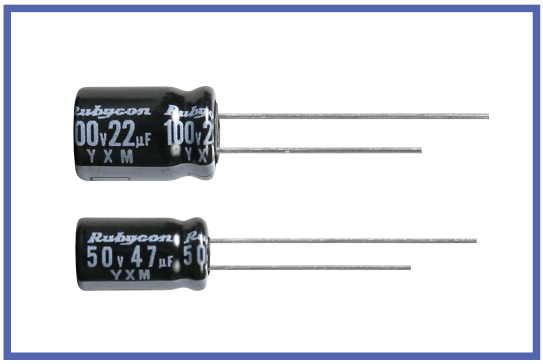
YXM SERIES

Load Life : 105℃ 10,000 hours. Miniaturized.



◆ FEATURES

- Miniaturized Long Life.
- RoHS compliance.

◆SPECIFICATIONS

Items	Characteristics
Category Temperature Range	－25～＋105℃
Rated Voltage Range	10～100V.DC
Capacitance Tolerance	±20%(20℃,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)
Dissipation Factor(MAX) (tanδ)	(20℃,120Hz)
Endurance	After applying rated voltage with rated ripple current for 10000 hrs at 105℃, the capacitors shall meet the following requirements.
Low Temperature Stability Impedance Ratio(MAX)	(120Hz)

Dissipation Factor(MAX) (tanδ)

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.

Low Temperature Stability Impedance Ratio(MAX)

Rated Voltage (V)	10	16	25	35	50	63	100
Z(－25℃)/Z(20℃)	8	6	4	4	3	3	3

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

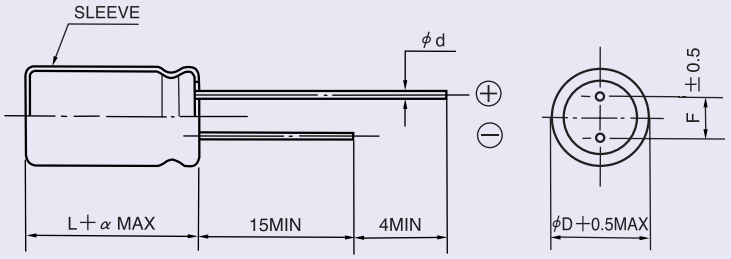
Frequency (Hz)		120	1k	10k	100k≦
Coefficient	0.47～10 μF	0.42	0.60	0.80	1.00
	22～33 μF	0.55	0.75	0.90	1.00
	47～330 μF	0.70	0.85	0.95	1.00

◆PART NUMBER

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

◆DIMENSIONS

(mm)



φD	5	6.3	8
φd	0.5		0.6
F	2.0	2.5	3.5
α	α=1.5		

◆STANDARD SIZE

Rated voltage 10V(1A)		
Nominal capacitance (μF)	Size φD×L(mm)	Rated ripple current (mA r.m.s./105℃, 100kHz)
100	5×11	130
220	6.3×11	210
330	8×11.5	330

Rated voltage 16V(1C)		
Nominal capacitance (μF)	Size φD×L(mm)	Rated ripple current (mA r.m.s./105℃, 100kHz)
47	5×11	130
100	6.3×11	210
220	8×11.5	330

Rated voltage 25V(1E)		
Nominal capacitance (μF)	Size φD×L(mm)	Rated ripple current (mA r.m.s./105℃, 100kHz)
33	5×11	130
47	5×11	130
100	6.3×11	210

Rated voltage 35V(1V)		
Nominal capacitance (μF)	Size φD×L(mm)	Rated ripple current (mA r.m.s./105℃, 100kHz)
33	5×11	130
47	6.3×11	210
100	8×11.5	330

Rated voltage 50V(1H)		
Nominal capacitance (μF)	Size φD×L(mm)	Rated ripple current (mA r.m.s./105℃,100kHz)
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

Rated voltage 63V(1J)		
Nominal capacitance (μF)	Size φD×L(mm)	Rated ripple current (mA r.m.s./105℃,100kHz)
10	5×11	80
22	6.3×11	170
33	6.3×11	170
47	8×11.5	240

Rated voltage 100V(2A)		
Nominal capacitance (μF)	Size φD×L(mm)	Rated ripple current (mA r.m.s./105℃,100kHz)
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