

YXM SERIES

Load Life : 105°C 10000 hours, Miniaturized.

◆ **FEATURES**

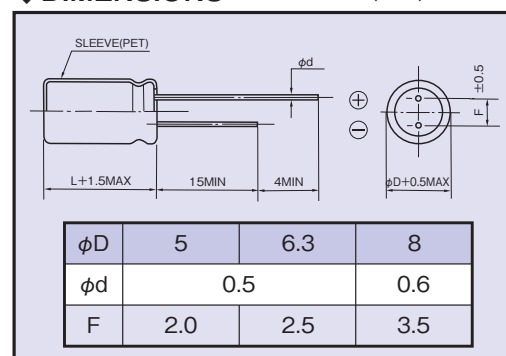
- Miniaturized Long Life.
- RoHS compliance.

◆ **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 3μA whichever is greater.(After 2 minutes) I=Leakage Current(μA) C=Capacitance(μF) V=Rated Voltage(V)							
(tanδ) Dissipation Factor(MAX)	Rated Voltage (V)	10	16	25	35	50	63	100 (20°C, 120Hz)
	tanδ	0.45	0.35	0.30	0.22	0.19	0.17	0.15
Endurance	After applying rated voltage with rated ripple current for 10000 hours at 105°C, the capacitors shall meet the following requirements.							
	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 (120Hz)
	Z(-25°C)/Z(20°C)	8	6	4	4	3	3	3

◆ **DIMENSIONS**

(mm)



◆ **MULTIPLIER FOR RIPPLE CURRENT**

Frequency Coefficient

Frequency (Hz)		120	1k	10k	100k≤
Coefficient	1~10μF	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

◆ **STANDARD SIZE**

Size φD×L(mm), Ripple Current (mA r.m.s./105°C, 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

WV (V.DC)	Cap (μF)	Size	Rated Ripple Current
35 (1V)	33	5×11	130
	47	6.3×11	210
	100	8×11.5	330
50 (1H)	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	135
	33	6.3×11	190
	47	6.3×11	190
	100	8×11.5	270

WV (V.DC)	Cap (μF)	Size	Rated Ripple Current
63 (1J)	10	5×11	80
	22	6.3×11	170
	33	6.3×11	170
	47	8×11.5	240
100 (2A)	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

◆ **OPTION**

	Code
PET Sleeve	EFC

◆ **PART NUMBER**

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