

YXM SERIES

Load Life : 105°C 10000 hours, Miniaturized.

◆FEATURES

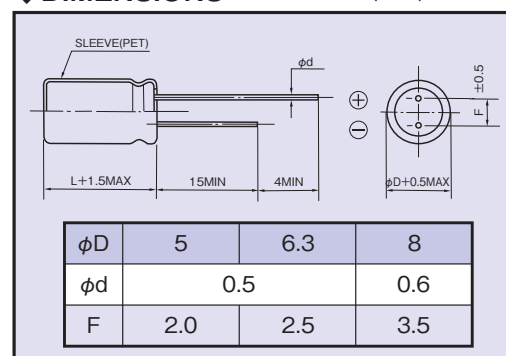
- Miniaturized Long Life.
- RoHS compliance.

◆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 3μA whichever is greater.(After 2 minutes) I=Leakage Current(μA) C=Capacitance(μF) V=Rated Voltage(V)																
Dissipation Factor(MAX) (tanδ)	<table><tr><td>Rated Voltage (V)</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>100</td></tr><tr><td>tanδ</td><td>0.45</td><td>0.35</td><td>0.30</td><td>0.22</td><td>0.19</td><td>0.17</td><td>0.15</td></tr></table> (20℃,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
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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℃, the capacitors shall meet the following requirements. <table><tr><td>Capacitance Change</td><td>Within ±25% of the initial value.</td></tr><tr><td>Dissipation Factor</td><td>Not more than 300% of the specified value.</td></tr><tr><td>Leakage Current</td><td>Not more than the specified value.</td></tr></table>	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.										
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Low Temperature Stability Impedance Ratio(MAX)	<table><tr><td>Rated Voltage (V)</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>100</td></tr><tr><td>Z(-25℃)/Z(20℃)</td><td>8</td><td>6</td><td>4</td><td>4</td><td>3</td><td>3</td><td>3</td></tr></table> (120Hz)	Rated Voltage (V)	10	16	25	35	50	63	100	Z(-25℃)/Z(20℃)	8	6	4	4	3	3	3
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Z(-25℃)/Z(20℃)	8	6	4	4	3	3	3										

◆DIMENSIONS

(mm)



◆MULTIPLIER FOR RIPPLE CURRENT

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)

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

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

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