

YXM SERIES
Load Life : 105°C 10000 hours, Miniaturized

•Temperature Range : -40°C~+105°C

 RoHS
compliance

◆SPECIFICATIONS

Items	Characteristics																															
Category Temperature Range	-40~+105℃																															
Rated Voltage Range	10~100Vdc																															
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(Vdc)																															
Dissipation Factor(MAX) (tanδ)	<table><tr><td>Rated Voltage (Vdc)</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 (Vdc)	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 colspan="7">Within ±25% of the initial value.</td></tr><tr><td>Dissipation Factor</td><td colspan="7">Not more than 300% of the specified value.</td></tr><tr><td>Leakage Current</td><td colspan="7">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 (Vdc)</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 (Vdc)	10	16	25	35	50	63	100	Z(-25℃)/Z(20℃)	8	6	4	4	3	3	3								
Rated Voltage (Vdc)	10	16	25	35	50	63	100																									
Z(-25℃)/Z(20℃)	8	6	4	4	3	3	3																									

◆MULTIPLIER FOR RIPPLE CURRENT

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

◆OPTION

	Code
PET Sleeve (-40~+105°C)	EFR ※

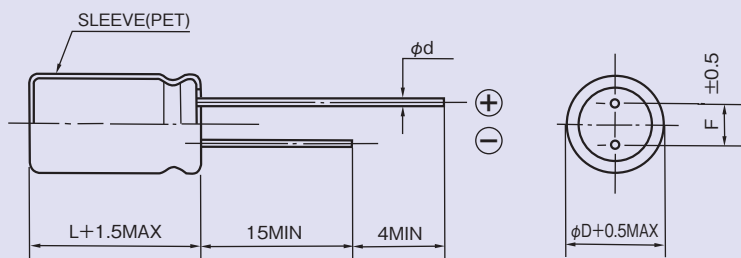
※PET Sleeve -25°C~+105°C(EFC) is also available, please consult our sales offices.

◆PART NUMBER

<u> </u>	<u>YXM</u>	<u> </u>	<u>M</u>	<u> </u>	<u> </u>	<u>DxL</u>
Rated Voltage	Series	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

◆ **STANDARD SIZE**

Rated Voltage (Vdc)	Capacitance (μF)	Size $\phi D \times L$ (mm)	Rated Ripple Current (mA r.m.s. 105°C, 100kHz)
10	100	5×11	130
	220	6.3×11	210
	330	8×11.5	330
16	47	5×11	130
	100	6.3×11	210
	220	8×11.5	330
25	33	5×11	130
	47	5×11	130
	100	6.3×11	210
35	33	5×11	130
	47	6.3×11	210
	100	8×11.5	330

Rated Voltage (Vdc)	Capacitance (μF)	Size $\phi D \times L$ (mm)	Rated Ripple Current (mA r.m.s. 105°C, 100kHz)
50	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
	22	6.3×11	230
	33	6.3×11	190
	47	6.3×11	190
	100	8×11.5	270
63	10	5×11	80
	22	6.3×11	170
	33	6.3×11	170
	47	8×11.5	240
100	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

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※Endurance: 13000 hours at 105°C