

## 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°C													
Rated Voltage Range	10~100Vdc													
Capacitance Tolerance	$\pm 20\%$ (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(Vdc)													
Dissipation Factor(MAX) (tanδ)	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						
Endurance	After applying rated voltage with rated ripple current for 10000 hours at 105°C, the capacitors shall meet the following requirements. <table border="1" style="width: 100%;"><tr> <td>Capacitance Change</td> <td>Within <math>\pm 25\%</math> 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 $\pm 25\%$ 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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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 (Vdc)	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 (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

## ◆OPTION

		Code
PET Sleeve(-40~+105°C)		EFR *

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

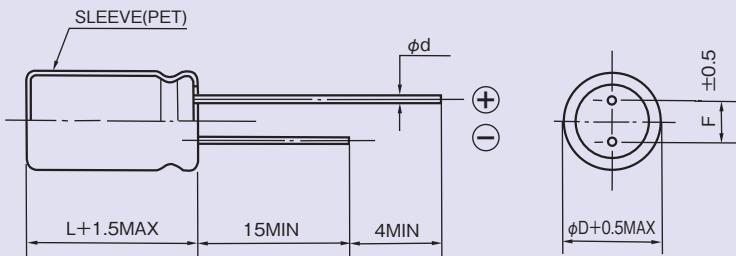
## ◆PART NUMBER

□□□ — YXM — □□□□□□ — M — □□□ — Option — □□ — Lead Forming — DXL — Case Size

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 φD×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 φD×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
63	22	6.3×11	230
	33	6.3×11	190
	47	6.3×11	190
	100	8×11.5	270
100	10	5×11	80
	22	6.3×11	170
	33	6.3×11	170
	47	8×11.5	240
	1	5×11	40
	2.2	5×11	50

※Endurance:13000hours at 105°C

※

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