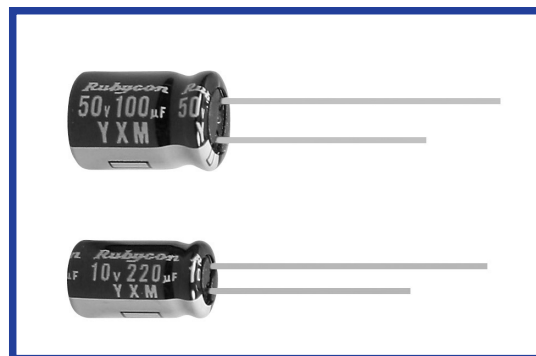


YXM SERIES
Load Life : 105°C 10000 hours, Miniaturized
◆FEATURES

- Miniaturized, Long Life.(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)																															
(tanδ) Dissipation Factor(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>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								
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℃, 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.						
Capacitance Change	Within ±25% of the initial 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	1~10µF	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 ※

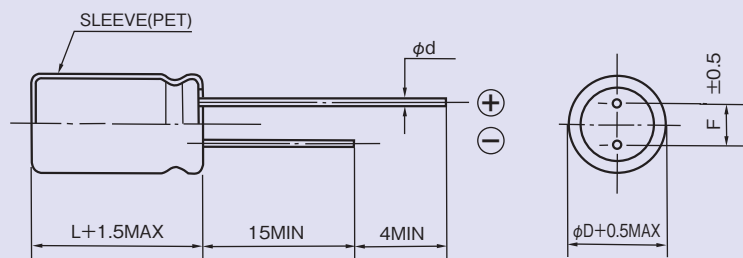
※PET Sleeve -25°C~+105°C(EFC) is also available, please consult our sales offices.

◆PART NUMBER

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

◆DIMENSIONS

(mm)



ϕD	5	6.3	8
ϕd	0.5	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
	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