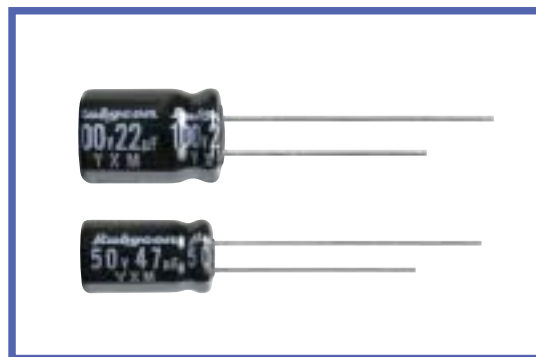


YXM SERIES
Load Life : 105°C 10,000 hours. Miniaturized.
◆ FEATURES

- 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=Rated 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								
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																									
Endurance	After applying rated voltage with rated ripple current for 10000 hrs 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 (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								
Rated Voltage (V)	10	16	25	35	50	63	100																									
Z(-25℃)/Z(20℃)	8	6	4	4	3	3	3																									

◆ MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

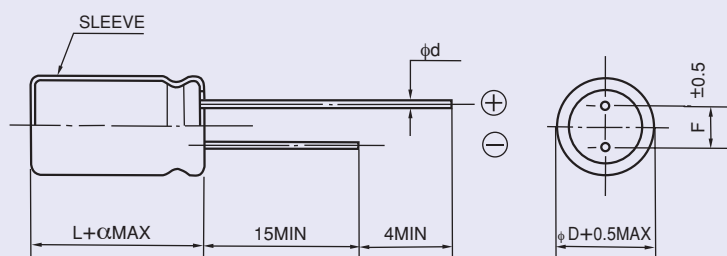
Frequency (Hz)	120	1k	10k	100k ≤
0.47~10μF	0.42	0.60	0.80	1.00
22~33μF	0.55	0.75	0.90	1.00
47~330μF	0.70	0.85	0.95	1.00

◆ PART NUMBER

	YXM					DxL
Rated Voltage	Series	Rated 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 10V(1A)		
Nominal capacitance (μF)	Size $\phi D \times L$ (mm)	Rated ripple current (mA r.m.s./105°C,100kHz)
100	5×11	130
220	6.3×11	210
330	8×11.5	330

Rated voltage 16V(1C)		
Nominal capacitance (μF)	Size $\phi D \times L$ (mm)	Rated ripple current (mA r.m.s./105°C,100kHz)
47	5×11	130
100	6.3×11	210
220	8×11.5	330

Rated voltage 25V(1E)		
Nominal capacitance (μF)	Size $\phi D \times L$ (mm)	Rated ripple current (mA r.m.s./105°C,100kHz)
33	5×11	130
47	5×11	130
100	6.3×11	210

Rated voltage 35V(1V)		
Nominal capacitance (μF)	Size $\phi D \times L$ (mm)	Rated ripple current (mA r.m.s./105°C,100kHz)
33	5×11	130
47	6.3×11	210
100	8×11.5	330

Rated voltage 50V(1H)		
Nominal capacitance (μ F)	Size ϕ D×L(mm)	Rated ripple current (mA r.m.s./105°C,100kHz)
0.47	5×11	12
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	110
33	6.3×11	190
47	6.3×11	190
100	8×11.5	270

Rated voltage 63V(1J)		
Nominal capacitance (μ F)	Size ϕ D×L(mm)	Rated ripple current (mA r.m.s./105°C,100kHz)
10	5×11	80
22	6.3×11	170
33	6.3×11	170
47	8×11.5	240

Rated voltage 100V(2A)		
Nominal capacitance (μ F)	Size ϕ D×L(mm)	Rated ripple current (mA r.m.s./105°C,100kHz)
0.47	5×11	20
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