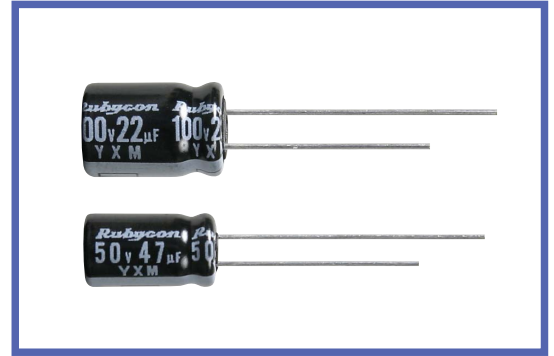


**YXM SERIES**
**Load Life : 105°C 10,000 hours. Miniaturized.**
**◆ FEATURES**

- Miniaturized Long Life.
- RoHS compliance.


**◆ SPECIFICATIONS**

Items	Characteristics																
Category Temperature Range	- 25 ~ + 105°C																
Rated Voltage Range	10 ~ 100V.DC																
Capacitance Tolerance	± 20%(20°C, 120Hz)																
Leakage Current(MAX)	I=0.01CV or 3 µA whichever is greater. (After 2 minutes) I=Leakage Current(µA)      C=Rated Capacitance(µ F)      V=Rated Voltage(V)																
Dissipation Factor(MAX) (tan δ)	<table border="1"> <thead> <tr> <th>Rated Voltage (V)</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> <th>100</th> </tr> </thead> <tbody> <tr> <td>tan δ</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> </tbody> </table> (20°C, 120Hz)	Rated Voltage (V)	10	16	25	35	50	63	100	tan δ	0.45	0.35	0.30	0.22	0.19	0.17	0.15
Rated Voltage (V)	10	16	25	35	50	63	100										
tan δ	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°C, the capacitors shall meet the following requirements. <table border="1"> <tbody> <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> </tbody> </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 border="1"> <thead> <tr> <th>Rated Voltage (V)</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> <th>100</th> </tr> </thead> <tbody> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>8</td> <td>6</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> </tr> </tbody> </table> (120Hz)	Rated Voltage (V)	10	16	25	35	50	63	100	Z(-25°C)/Z(20°C)	8	6	4	4	3	3	3
Rated Voltage (V)	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 coefficient

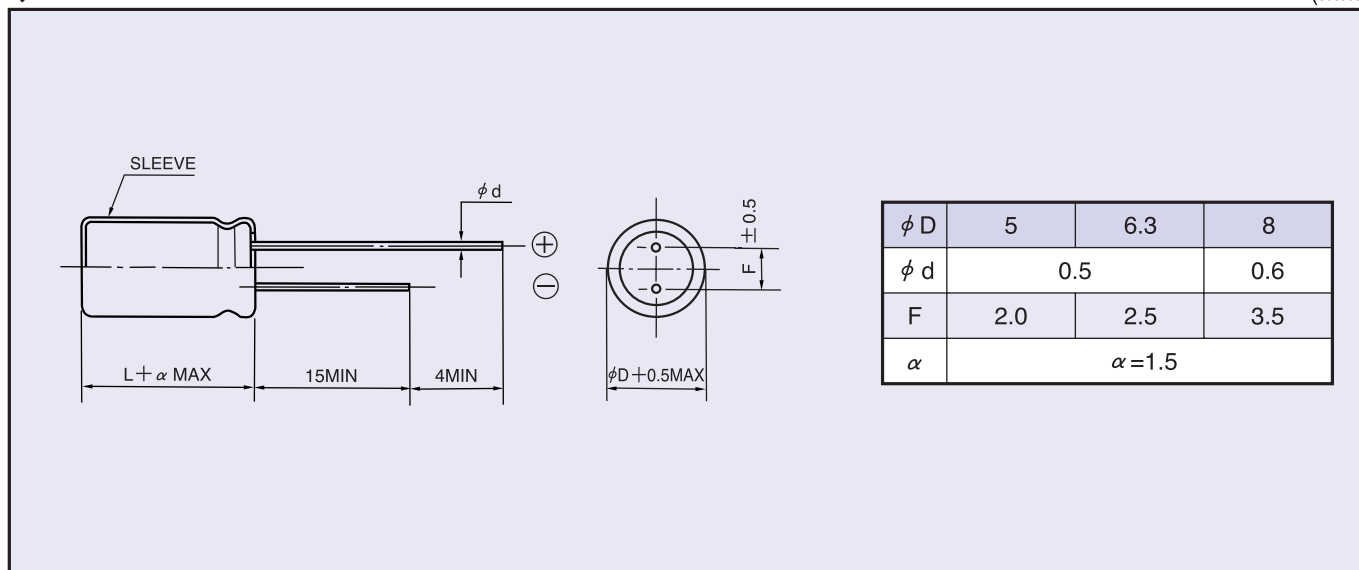
Frequency (Hz)		120	1k	10k	100k ≤
Coefficient	0.47 ~ 10 µ F	0.42	0.60	0.80	1.00
	22 ~ 33 µ F	0.55	0.75	0.90	1.00
	47 ~ 330 µ F	0.70	0.85	0.95	1.00

**◆ PART NUMBER**

□□□	YXM	□□□□□	□	□□□	□□	DXL
Rated Voltage	Series	Rated Capacitance	Capacitance Tolerance	Option	Lead Forming	Case Size

◆ DIMENSIONS

(mm)



◆ STANDARD SIZE

Rated voltage 10V(1A)		
Nominal capacitance ( $\mu F$ )	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 ( $\mu F$ )	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 ( $\mu F$ )	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 ( $\mu F$ )	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 ( $\mu F$ )	Size $\phi D \times L$ (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 ( $\mu F$ )	Size $\phi D \times L$ (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 ( $\mu F$ )	Size $\phi D \times L$ (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

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