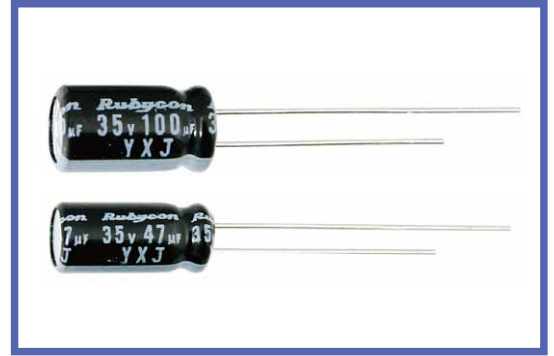


YXJ SERIES
NEW
105°C Miniaturized.Long Life,Low impedance.
◆FEATURES

- Load Life : 105°C 4000~10000hours.
- RoHS compliance.


◆SPECIFICATIONS

Items	Characteristics																											
Category Temperature Range	-40~+105°C																											
Rated Voltage Range	6.3~100V.DC																											
Capacitance Tolerance	±20%(20°C,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)																											
(tanδ) Dissipation Factor(MAX)	<table border="1"> <tr> <th>Rated Voltage (V)</th> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> <td>100</td> </tr> <tr> <th>tanδ</th> <td>0.22</td> <td>0.19</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.09</td> <td>0.08</td> </tr> </table> <p>(20°C,120Hz)</p> <p>When rated capacitance is over 1000µF, tanδ shall be added 0.02 to the listed value with increase of every 1000µF.</p>	Rated Voltage (V)	6.3	10	16	25	35	50	63	100	tanδ	0.22	0.19	0.16	0.14	0.12	0.10	0.09	0.08									
Rated Voltage (V)	6.3	10	16	25	35	50	63	100																				
tanδ	0.22	0.19	0.16	0.14	0.12	0.10	0.09	0.08																				
Endurance	<p>After life test with rated ripple current at conditions stated in the table below, the capacitors shall meet the following requirements.</p> <table border="1"> <tr> <td>Capacitance Change</td> <td>Within ±25% of the initial value.(6.3V:±30%)</td> <td rowspan="3"> <table border="1"> <tr> <th rowspan="2">Case Size</th> <th colspan="2">Life Time (hrs)</th> </tr> <tr> <th>6.3~10WV</th> <th>16~100WV</th> </tr> <tr> <td>φD=5</td> <td>4000</td> <td>5000</td> </tr> <tr> <td>φD=6.3,8</td> <td>6000</td> <td>7000</td> </tr> <tr> <td>φD≥10</td> <td>8000</td> <td>10000</td> </tr> </table> </td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 200% of the specified value.</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the specified value.</td> </tr> </table>	Capacitance Change	Within ±25% of the initial value.(6.3V:±30%)	<table border="1"> <tr> <th rowspan="2">Case Size</th> <th colspan="2">Life Time (hrs)</th> </tr> <tr> <th>6.3~10WV</th> <th>16~100WV</th> </tr> <tr> <td>φD=5</td> <td>4000</td> <td>5000</td> </tr> <tr> <td>φD=6.3,8</td> <td>6000</td> <td>7000</td> </tr> <tr> <td>φD≥10</td> <td>8000</td> <td>10000</td> </tr> </table>	Case Size	Life Time (hrs)		6.3~10WV	16~100WV	φD=5	4000	5000	φD=6.3,8	6000	7000	φD≥10	8000	10000	Dissipation Factor	Not more than 200% of the specified value.	Leakage Current	Not more than the specified value.						
Capacitance Change	Within ±25% of the initial value.(6.3V:±30%)	<table border="1"> <tr> <th rowspan="2">Case Size</th> <th colspan="2">Life Time (hrs)</th> </tr> <tr> <th>6.3~10WV</th> <th>16~100WV</th> </tr> <tr> <td>φD=5</td> <td>4000</td> <td>5000</td> </tr> <tr> <td>φD=6.3,8</td> <td>6000</td> <td>7000</td> </tr> <tr> <td>φD≥10</td> <td>8000</td> <td>10000</td> </tr> </table>	Case Size			Life Time (hrs)		6.3~10WV	16~100WV	φD=5	4000	5000	φD=6.3,8	6000	7000	φD≥10	8000	10000										
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Low Temperature Stability Impedance Ratio(MAX)	<table border="1"> <tr> <th>Rated Voltage (V)</th> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> <td>100</td> </tr> <tr> <th>Z(-25°C)/Z(20°C)</th> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <th>Z(-40°C)/Z(20°C)</th> <td>8</td> <td>6</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> </tr> </table> <p>(120Hz)</p>	Rated Voltage (V)	6.3	10	16	25	35	50	63	100	Z(-25°C)/Z(20°C)	4	3	2	2	2	2	2	2	Z(-40°C)/Z(20°C)	8	6	4	3	3	3	3	3
Rated Voltage (V)	6.3	10	16	25	35	50	63	100																				
Z(-25°C)/Z(20°C)	4	3	2	2	2	2	2	2																				
Z(-40°C)/Z(20°C)	8	6	4	3	3	3	3	3																				

◆MULTIPLIER FOR RIPPLE CURRENT

 Frequency coefficient
(6.3WV~50WV)

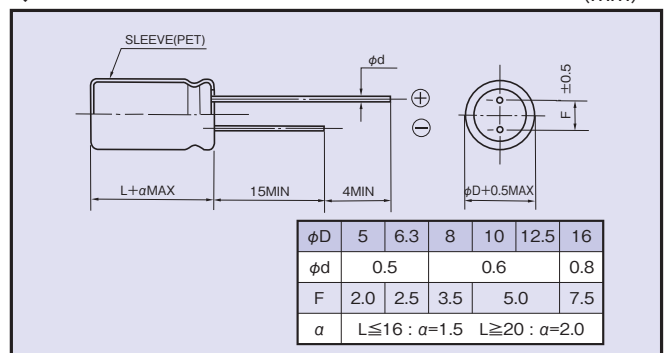
Frequency (Hz)	120	1k	10k	100k≤	
Coefficient	0.47~10µF	0.42	0.60	0.80	1.00
	22~33µF	0.55	0.75	0.90	1.00
	47~330µF	0.70	0.85	0.95	1.00
	470~1000µF	0.75	0.90	0.98	1.00
	2200~15000µF	0.80	0.95	1.00	1.00

(63WV~100WV)

Frequency (Hz)	120	1k	10k	100k≤
Coefficient	0.42	0.60	0.80	1.00

◆DIMENSIONS

(mm)


◆PART NUMBER

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

◆STANDARD SIZE

Rated Voltage (V·DC)	Rated capacitance (μF)	Size φD×L(mm)	Rated ripple current (mA r.m.s./105°C, 100kHz)	(Ω MAX) Impedance	
				20°C, 100kHz	-10°C, 100kHz
6.3 (0J)	100	5×11	150	0.90	3.6
	220	5×11	250	0.40	1.2
	330	6.3×11	340	0.22	0.87
	470	6.3×11	400	0.22	0.87
	1000	8×11.5	640	0.13	0.52
	2200	10×16	1300	0.062	0.25
	3300	10×20	1400	0.046	0.18
	4700	12.5×25	2230	0.032	0.11
	6800	12.5×25	2230	0.032	0.11
	10000	16×25	2930	0.021	0.060
15000	16×35.5	3610	0.015	0.044	
10 (1A)	100	5×11	150	0.90	3.6
	220	5×11	250	0.40	1.2
	330	6.3×11	400	0.22	0.87
	470	6.3×11	400	0.22	0.87
	1000	10×12.5	865	0.080	0.32
	2200	10×20	1400	0.046	0.18
	3300	12.5×20	1900	0.041	0.14
	4700	12.5×25	2230	0.032	0.11
	6800	16×25	2930	0.021	0.060
10000	16×31.5	3450	0.019	0.056	
16 (1C)	47	5×11	250	0.40	1.2
	100	5×11	250	0.40	1.2
	220	6.3×11	400	0.22	0.87
	330	6.3×11	400	0.22	0.87
	470	8×11.5	640	0.13	0.52
	1000	10×16	1210	0.062	0.25
	2200	12.5×20	1900	0.041	0.14
	3300	12.5×25	2230	0.032	0.11
	4700	16×25	2930	0.021	0.060
6800	16×31.5	3450	0.019	0.056	
25 (1E)	33	5×11	250	0.40	1.2
	47	5×11	250	0.40	1.2
	100	5×11	250	0.40	1.2
	220	6.3×11	400	0.22	0.87
	330	8×11.5	640	0.13	0.52
	470	10×12.5	865	0.080	0.32
	1000	10×20	1400	0.046	0.18
	2200	12.5×25	2230	0.032	0.11
	3300	16×25	2930	0.021	0.060
	4700	16×31.5	3450	0.019	0.056
35 (1V)	33	5×11	250	0.40	1.2
	47	5×11	250	0.40	1.2
	100	6.3×11	400	0.22	0.87
	220	8×11.5	640	0.13	0.52
	330	10×12.5	865	0.080	0.32
	470	10×16	1210	0.062	0.25
	1000	12.5×20	1900	0.041	0.14
	2200	16×25	2930	0.021	0.060
3300	16×31.5	3450	0.019	0.056	

Rated Voltage (V·DC)	Rated capacitance (μF)	Size φD×L(mm)	Rated ripple current (mA r.m.s./105°C, 100kHz)	(Ω MAX) Impedance	
				20°C, 100kHz	-10°C, 100kHz
50 (1H)	0.47	5×11	17	5.5	12.0
	1	5×11	30	4.0	8.0
	2.2	5×11	43	2.5	6.0
	3.3	5×11	53	2.2	5.6
	4.7	5×11	88	1.9	5.0
	10	5×11	100	1.5	4.0
	22	5×11	150	0.90	3.6
	33	5×11	250	0.70	2.8
	47	6.3×11	250	0.40	1.6
	100	8×11.5	400	0.25	1.0
	220	10×16	770	0.12	0.46
	330	10×20	1050	0.078	0.30
	470	12.5×20	1300	0.062	0.21
	1000	16×25	1850	0.034	0.096
2200	16×35.5	3150	0.019	0.057	
63 (1J)	10	5×11	173	0.88	3.5
	22	5×11	173	0.88	3.5
	33	6.3×11	278	0.35	1.4
	47	6.3×11	278	0.35	1.4
	100	10×12.5	725	0.15	0.60
	220	10×20	1200	0.078	0.31
	330	12.5×20	1570	0.060	0.19
	470	12.5×25	1990	0.043	0.14
1000	16×25	2730	0.032	0.096	
100 (2A)	0.47	5×11	15	6.0	17.0
	1	5×11	20	4.5	15.0
	2.2	5×11	30	3.0	13.0
	3.3	5×11	40	2.7	11.0
	4.7	5×11	65	2.5	10.0
	10	5×11	163	1.4	5.6
	22	6.3×11	267	0.57	2.3
	33	8×11.5	462	0.36	1.4
	47	8×16	585	0.25	1.0
	100	10×20	1040	0.12	0.52
	220	12.5×25	1620	0.060	0.23
	330	16×25	2210	0.044	0.16