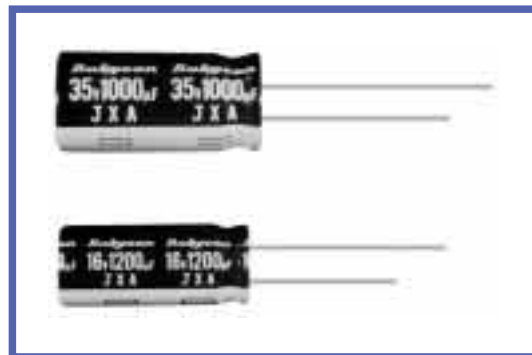


JXA SERIES
105°C Low impedance.
◆ FEATURES

- Low impedance at 100kHz with selected materials.


◆ SPECIFICATIONS

Items	Characteristics																
Operating Temperature Range	-55~+105°C																
Rated Voltage Range	6.3~35V.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=Nominal Capacitance(μF) V=Rated Voltage(V)																
Dissipation Factor(MAX)	<table border="1"> <tr> <td>Rated Voltage (V)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>(20°C, 120Hz)</td> </tr> <tr> <td>tanδ</td> <td>0.22</td> <td>0.19</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td></td> </tr> </table> <p>When nominal 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	(20°C, 120Hz)	tanδ	0.22	0.19	0.16	0.14	0.12			
Rated Voltage (V)	6.3	10	16	25	35	(20°C, 120Hz)											
tanδ	0.22	0.19	0.16	0.14	0.12												
Load Life	<p>After life test with max. 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 ±20% of the initial value.</td> <td>Case Dia</td> <td>Life Time (hrs)</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 200% of the specified value.</td> <td>φD≤6.3</td> <td>2000</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the specified value.</td> <td>φD=8</td> <td>3000</td> </tr> <tr> <td></td> <td></td> <td>φD≥10</td> <td>5000</td> </tr> </table>	Capacitance Change	Within ±20% of the initial value.	Case Dia	Life Time (hrs)	Dissipation Factor	Not more than 200% of the specified value.	φD≤6.3	2000	Leakage Current	Not more than the specified value.	φD=8	3000			φD≥10	5000
Capacitance Change	Within ±20% of the initial value.	Case Dia	Life Time (hrs)														
Dissipation Factor	Not more than 200% of the specified value.	φD≤6.3	2000														
Leakage Current	Not more than the specified value.	φD=8	3000														
		φD≥10	5000														
Low Temperature Stability Impedance Ratio(MAX)	<table border="1"> <tr> <td>Rated Voltage (V)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>(120Hz)</td> </tr> <tr> <td>Z(-55°C)/Z(20°C)</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> <td></td> </tr> </table>	Rated Voltage (V)	6.3	10	16	25	35	(120Hz)	Z(-55°C)/Z(20°C)	4	4	3	3	3			
Rated Voltage (V)	6.3	10	16	25	35	(120Hz)											
Z(-55°C)/Z(20°C)	4	4	3	3	3												

◆ MULTIPLIER FOR RIPPLE CURRENT

(1) Frequency coefficient

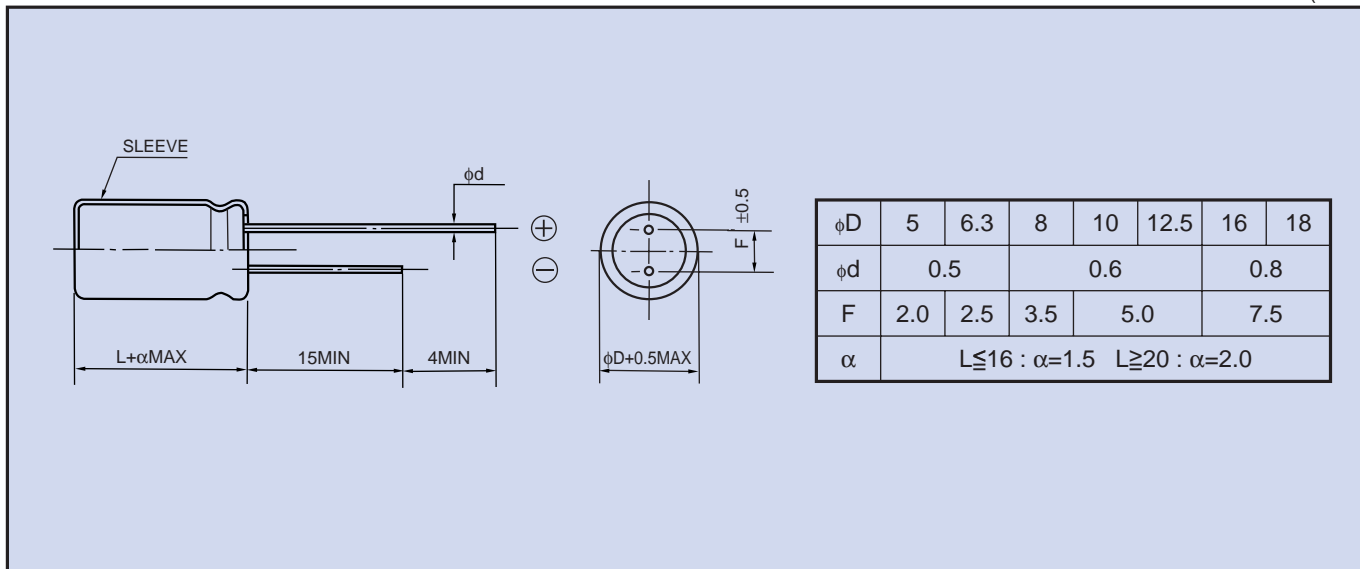
Frequency (Hz)		60(50)	120	1k	10k	100k≤
Coefficient	33μF	0.45	0.55	0.75	0.90	1.00
	47~330μF	0.60	0.70	0.85	0.95	1.00
	470~1000μF	0.65	0.75	0.90	0.98	1.00
	1200~18000μF	0.75	0.80	0.95	1.00	1.00

(2) Temperature coefficient

Ambient Temperature (°C)	105	85	65≥
Coefficient	1.0	1.7	2.1

◆ DIMENSIONS

(mm)


◆ STANDARD SIZE

Rated voltage 6.3V(0J)				
Nominal capacitance (μF)	Size $\phi D \times L$ (mm)	Maximum permissible ripple current (mA r.m.s./105°C, 100kHz)	Impedance (Ω MAX)	
			20°C, 100kHz	-10°C, 100kHz
150	5x11	180	0.65	1.3
330	6.3x11	295	0.25	0.50
680	8x11.5	555	0.15	0.30
1000	8x16	730	0.098	0.196
1200	8x20	910	0.078	0.156
820	10x12.5	760	0.090	0.180
1200	10x16	1050	0.068	0.136
1500	10x20	1220	0.052	0.104
2200	10x23	1440	0.045	0.090
2700	10x28	1690	0.034	0.068
1800	12.5x16	1260	0.055	0.110
3300	12.5x20	1660	0.039	0.078
3900	12.5x25	1950	0.030	0.060
4700	12.5x30	2310	0.025	0.050
5600	12.5x35	2510	0.022	0.044
6800	12.5x40	2920	0.019	0.038
2700	16x16	1690	0.048	0.096
5600	16x20	2210	0.029	0.058
6800	16x25	2555	0.022	0.044
8200	16x31.5	3010	0.018	0.036
10000	16x35.5	3150	0.016	0.032
12000	16x40	3710	0.015	0.030
3900	18x16	1930	0.046	0.092
6800	18x20	2490	0.027	0.054
10000	18x25	2740	0.020	0.040
12000	18x31.5	3635	0.016	0.032
15000	18x35.5	3680	0.015	0.030
18000	18x40	3800	0.013	0.026

Rated voltage 10V(1A)				
Nominal capacitance (μ F)	Size ϕ DxL(mm)	Maximum permissible ripple current (mA r.m.s./105°C, 100kHz)	Impedance (Ω MAX)	
			20°C, 100kHz	-10°C, 100kHz
100	5x11	180	0.65	1.3
220	6.3x11	295	0.25	0.50
470	8x11.5	555	0.15	0.30
680	8x16	730	0.098	0.196
1000	8x20	910	0.078	0.156
680	10x12.5	760	0.090	0.180
1000	10x16	1050	0.068	0.136
1200	10x20	1220	0.052	0.104
1500	10x23	1440	0.045	0.090
2200	10x28	1690	0.034	0.068
1500	12.5x16	1260	0.055	0.110
2200	12.5x20	1660	0.039	0.078
3300	12.5x25	1950	0.030	0.060
3900	12.5x30	2310	0.025	0.050
4700	12.5x35	2510	0.022	0.044
5600	12.5x40	2920	0.019	0.038
2200	16x16	1690	0.048	0.096
3900	16x20	2210	0.029	0.058
5600	16x25	2555	0.022	0.044
6800	16x31.5	3010	0.018	0.036
8200	16x35.5	3150	0.016	0.032
10000	16x40	3710	0.015	0.030
2700	18x16	1930	0.046	0.092
5600	18x20	2490	0.027	0.054
6800	18x25	2740	0.020	0.040
8200	18x31.5	3635	0.016	0.032
10000	18x35.5	3680	0.015	0.030
12000	18x40	3800	0.013	0.026

Rated voltage 16V(1C)				
Nominal capacitance (μ F)	Size ϕ DxL(mm)	Maximum permissible ripple current (mA r.m.s./105°C, 100kHz)	Impedance (Ω MAX)	
			20°C, 100kHz	-10°C, 100kHz
56	5x11	180	0.65	1.3
120	6.3x11	295	0.25	0.50
330	8x11.5	555	0.15	0.30
470	8x16	730	0.098	0.196
680	8x20	910	0.078	0.156
470	10x12.5	760	0.090	0.180
680	10x16	1050	0.068	0.136
1000	10x20	1220	0.052	0.104
1200	10x23	1440	0.045	0.090
1500	10x28	1690	0.034	0.068
1000	12.5x16	1260	0.055	0.110
1500	12.5x20	1660	0.039	0.078
2200	12.5x25	1950	0.030	0.060
2700	12.5x30	2310	0.025	0.050
3300	12.5x35	2510	0.022	0.044
3900	12.5x40	2920	0.019	0.038
1500	16x16	1690	0.048	0.096
2700	16x20	2210	0.029	0.058
3900	16x25	2555	0.022	0.044
4700	16x31.5	3010	0.018	0.036
5600	16x35.5	3150	0.016	0.032
6800	16x40	3710	0.015	0.030
2200	18x16	1930	0.046	0.092
3900	18x20	2490	0.027	0.054
4700	18x25	2740	0.020	0.040
5600	18x31.5	3635	0.016	0.032
8200	18x35.5	3680	0.015	0.030
10000	18x40	3800	0.013	0.026

Rated voltage 25V(1E)				
Nominal capacitance (μ F)	Size ϕ DxL(mm)	Maximum permissible ripple current (mA r.m.s./105°C, 100kHz)	Impedance (Ω MAX)	
			20°C, 100kHz	-10°C, 100kHz
47	5x11	180	0.65	1.3
100	6.3x11	295	0.25	0.50
220	8x11.5	555	0.15	0.30
330	8x16	730	0.098	0.196
470	8x20	910	0.078	0.156
330	10x12.5	760	0.090	0.180
470	10x16	1050	0.068	0.136
680	10x20	1220	0.052	0.104
820	10x23	1440	0.045	0.090
1000	10x28	1690	0.034	0.068
680	12.5x16	1260	0.055	0.110
1000	12.5x20	1660	0.039	0.078
1500	12.5x25	1950	0.030	0.060
1800	12.5x30	2310	0.025	0.050
2200	12.5x35	2510	0.022	0.044
2700	12.5x40	2920	0.019	0.038
1000	16x16	1690	0.048	0.096
1800	16x20	2210	0.029	0.058
2700	16x25	2555	0.022	0.044
3300	16x31.5	3010	0.018	0.036
3900	16x35.5	3150	0.016	0.032
4700	16x40	3710	0.015	0.030
1200	18x16	1930	0.046	0.092
2200	18x20	2490	0.027	0.054
3300	18x25	2740	0.020	0.040
3900	18x31.5	3635	0.016	0.032
4700	18x35.5	3680	0.015	0.030
5600	18x40	3800	0.013	0.026

Rated voltage 35V(1V)				
Nominal capacitance (μ F)	Size ϕ DxL(mm)	Maximum permissible ripple current (mA r.m.s./105°C, 100kHz)	Impedance (Ω MAX)	
			20°C, 100kHz	-10°C, 100kHz
33	5x11	180	0.65	1.3
56	6.3x11	295	0.25	0.50
150	8x11.5	555	0.15	0.30
220	8x16	730	0.098	0.196
270	8x20	910	0.078	0.156
220	10x12.5	760	0.090	0.180
330	10x16	1050	0.068	0.136
470	10x20	1220	0.052	0.104
560	10x23	1440	0.045	0.090
680	10x28	1690	0.034	0.068
470	12.5x16	1260	0.055	0.110
680	12.5x20	1660	0.039	0.078
1000	12.5x25	1950	0.030	0.060
1200	12.5x30	2310	0.025	0.050
1500	12.5x35	2510	0.022	0.044
1800	12.5x40	2920	0.019	0.038
680	16x16	1690	0.048	0.096
1200	16x20	2210	0.029	0.058
1800	16x25	2555	0.022	0.044
2200	16x31.5	3010	0.018	0.036
2700	16x35.5	3150	0.016	0.032
3300	16x40	3710	0.015	0.030
1000	18x16	1930	0.046	0.092
1800	18x20	2490	0.027	0.054
2200	18x25	2740	0.020	0.040
2700	18x31.5	3635	0.016	0.032
3300	18x35.5	3680	0.015	0.030
3900	18x40	3800	0.013	0.026