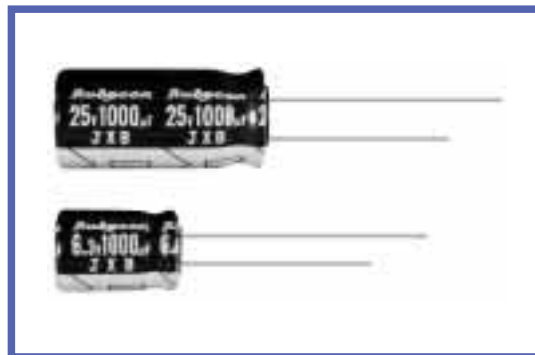


JXB SERIES
105°C Miniaturized, Low impedance.
◆ FEATURES

- Miniaturized.
- Low impedance at 100kHz with selected materials.


◆ SPECIFICATIONS

Items	Characteristics																		
Operating Temperature Range	-55~+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=Nominal Capacitance(μF) V=Rated Voltage(V)																		
Dissipation Factor(MAX)	<table border="1"> <thead> <tr> <th>Rated Voltage (V)</th> <th>6.3</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>tanδ</td> <td>0.26</td> <td>0.22</td> <td>0.18</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.08</td> </tr> </tbody> </table> (20°C,120Hz) When nominal capacitance is over 1000μF, tanδ shall be added 0.02 to the listed value with increase of every 1000μF.	Rated Voltage (V)	6.3	10	16	25	35	50	63	100	tanδ	0.26	0.22	0.18	0.16	0.14	0.12	0.10	0.08
Rated Voltage (V)	6.3	10	16	25	35	50	63	100											
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Load Life	After life test with max. ripple current at conditions stated in the table below, the capacitors shall meet the following requirements. <table border="1"> <thead> <tr> <th>Capacitance Change</th> <th>Within ±25% of the initial value.</th> <th>Case Dia</th> <th>Life Time (hrs)</th> </tr> </thead> <tbody> <tr> <td>Dissipation Factor</td> <td>Not more than 200% of the specified value.</td> <td>φD≤8</td> <td>1000</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the specified value.</td> <td>φD=10</td> <td>2000</td> </tr> <tr> <td></td> <td></td> <td>φD≥12.5</td> <td>3000</td> </tr> </tbody> </table>	Capacitance Change	Within ±25% of the initial value.	Case Dia	Life Time (hrs)	Dissipation Factor	Not more than 200% of the specified value.	φD≤8	1000	Leakage Current	Not more than the specified value.	φD=10	2000			φD≥12.5	3000		
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Low Temperature Stability Impedance Ratio(MAX)	<table border="1"> <thead> <tr> <th>Rated Voltage (V)</th> <th>6.3</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(-55°C)/Z(20°C)</td> <td>6</td> <td>5</td> <td>4</td> <td>4</td> <td>3</td> <td>5</td> <td>7</td> <td>7</td> </tr> </tbody> </table> (120Hz)	Rated Voltage (V)	6.3	10	16	25	35	50	63	100	Z(-55°C)/Z(20°C)	6	5	4	4	3	5	7	7
Rated Voltage (V)	6.3	10	16	25	35	50	63	100											
Z(-55°C)/Z(20°C)	6	5	4	4	3	5	7	7											

◆ MULTIPLIER FOR RIPPLE CURRENT

(1)Frequency coefficient

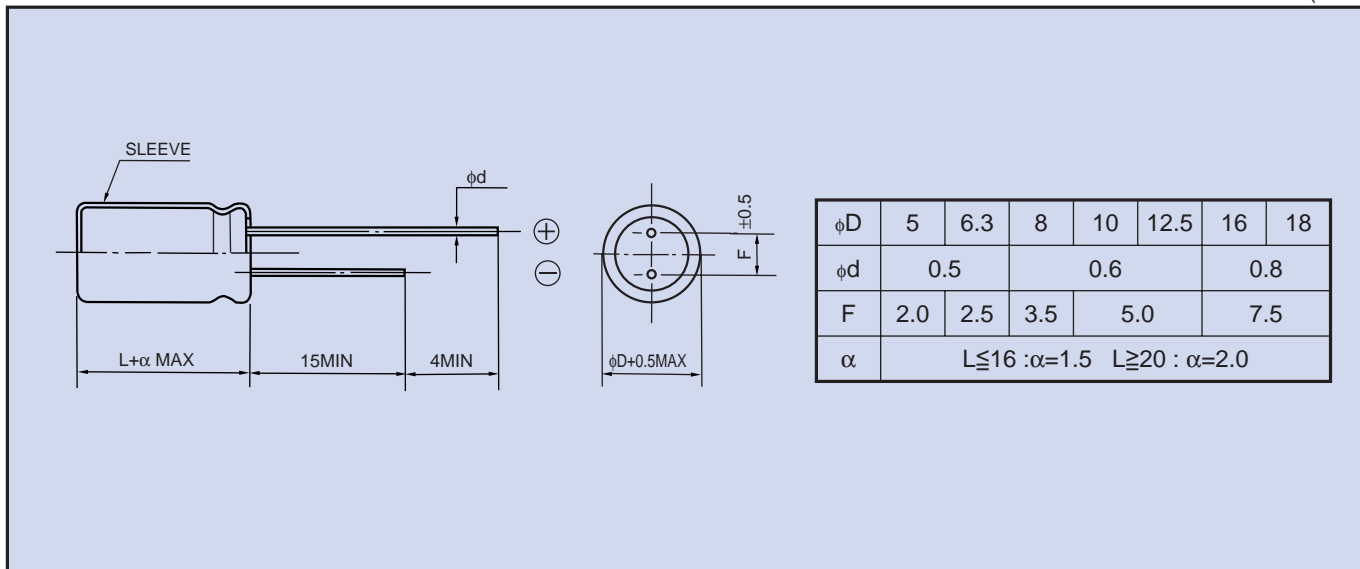
Frequency (Hz)	60(50)	120	1k	10k	100k≤
0.47~4.7μF	0.35	0.42	0.60	0.80	1.00
10~33μF	0.45	0.55	0.75	0.90	1.00
47~330μF	0.60	0.70	0.85	0.95	1.00
470~1000μF	0.65	0.75	0.90	0.98	1.00
2200~22000μF	0.75	0.80	0.95	1.00	1.00

(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
220	5x11	180	0.65	1.3
330	6.3x11	295	0.25	0.50
470	6.3x11	295	0.25	0.50
1000	8x11.5	555	0.15	0.30
2200	10x16	1050	0.068	0.136
3300	10x20	1220	0.052	0.104
4700	12.5x20	1660	0.039	0.078
6800	12.5x25	1950	0.030	0.060
10000	16x25	2150	0.022	0.044
15000	16x35.5	2650	0.016	0.032
22000	18x40	3100	0.013	0.026

Rated voltage 10V(1A)				
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
220	6.3x11	295	0.25	0.50
330	6.3x11	295	0.25	0.50
470	8x11.5	555	0.15	0.30
1000	10x12.5	760	0.090	0.18
2200	10x20	1220	0.052	0.104
3300	12.5x20	1660	0.039	0.078
4700	12.5x25	1950	0.030	0.060
6800	16x25	2150	0.022	0.044
10000	16x31.5	2400	0.018	0.036
15000	18x35.5	2800	0.015	0.030



MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS JXB

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
100	5x11	180	0.65	1.3
220	6.3x11	295	0.25	0.50
330	8x11.5	555	0.15	0.30
470	8x11.5	555	0.15	0.30
1000	10x16	1050	0.068	0.136
2200	12.5x20	1660	0.039	0.078
3300	12.5x25	1950	0.030	0.060
4700	16x25	2150	0.022	0.044
6800	16x31.5	2400	0.018	0.036
10000	18x35.5	2800	0.015	0.030

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
100	6.3x11	295	0.25	0.50
220	8x11.5	555	0.15	0.30
330	8x11.5	555	0.15	0.30
470	10x12.5	760	0.090	0.18
1000	10x20	1220	0.052	0.104
2200	12.5x25	1950	0.030	0.060
3300	16x25	2150	0.022	0.044
4700	16x31.5	2400	0.018	0.036
6800	18x35.5	2800	0.015	0.030

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
47	5x11	180	0.65	1.3
100	6.3x11	295	0.25	0.50
220	8x11.5	555	0.15	0.30
330	10x12.5	760	0.090	0.18
470	10x16	1050	0.068	0.136
1000	12.5x20	1660	0.039	0.078
2200	16x25	2150	0.022	0.044
3300	16x35.5	2650	0.016	0.032
4700	18x35.5	2800	0.015	0.030

Rated voltage 50V(1H)				
Nominal capacitance (μF)	Size $\phi\text{D}\times\text{L}(\text{mm})$	Maximum permissible ripple current (mA r.m.s./105°C, 100kHz)	Impedance (ΩMAX)	
			20°C, 100kHz	-10°C, 100kHz
0.47	5x11	20	6.0	12.0
1	5x11	36	4.0	8.0
2.2	5x11	50	3.0	6.0
3.3	5x11	70	2.8	5.6
4.7	5x11	90	2.5	5.0
10	5x11	110	2.0	4.0
22	5x11	140	1.35	2.7
33	5x11	140	1.35	2.7
47	6.3x11	220	0.74	1.4
100	8x11.5	320	0.42	0.84
220	10x12.5	520	0.29	0.58
330	10x16	670	0.21	0.42
470	10x20	820	0.15	0.30
1000	12.5x25	1200	0.087	0.174
2200	16x31.5	1750	0.044	0.088
3300	18x35.5	2200	0.030	0.060

Rated voltage 63V(1J)				
Nominal capacitance (μF)	Size $\phi\text{D}\times\text{L}(\text{mm})$	Maximum permissible ripple current (mA r.m.s./105°C, 100kHz)	Impedance (ΩMAX)	
			20°C, 100kHz	-10°C, 100kHz
10	5x11	110	2.5	6.2
22	5x11	140	2.5	6.2
33	6.3x11	205	1.2	3.0
47	6.3x11	205	1.2	3.0
100	10x12.5	325	0.45	1.1
220	10x20	520	0.21	0.52
330	12.5x20	730	0.16	0.40
470	12.5x25	855	0.14	0.35
1000	16x25	1240	0.090	0.23

Rated voltage 100V(2A)				
Nominal capacitance (μF)	Size $\phi\text{D}\times\text{L}(\text{mm})$	Maximum permissible ripple current (mA r.m.s./105°C, 100kHz)	Impedance (ΩMAX)	
			20°C, 100kHz	-10°C, 100kHz
0.47	5x11	20	9.0	27.0
1	5x11	36	7.0	21.0
2.2	5x11	50	6.0	18.0
3.3	5x11	70	5.0	15.0
4.7	5x11	80	4.5	13.0
10	5x11	100	4.5	13.0
22	6.3x11	170	2.2	6.6
33	8x11.5	235	1.1	3.3
47	10x12.5	265	0.76	2.2
100	10x20	390	0.37	1.1
220	12.5x25	770	0.18	0.54
330	12.5x25	770	0.18	0.54
470	16x25	900	0.12	0.36
1000	18x40	1530	0.055	0.17