

JEV SERIES
NEW
85°C Standard, High Temperature Reflow Soldering.
◆ FEATURES

- Case Dia $\phi 4 \sim \phi 10\text{mm}$
- High Temperature reflow soldering is available.
- Available for high density mounting.
- RoHS compliance.

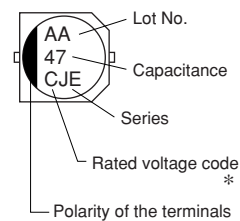

◆ SPECIFICATIONS

Items	Characteristics																							
Category Temperature Range	-40 ~ +85°C																							
Rated Voltage Range	6.3 ~ 50V.DC																							
Capacitance Tolerance	±20% (20°C, 120Hz)																							
Leakage Current(MAX)	I=0.01CV or 3 μA whichever is greater. (After 2 minutes application of rated voltage) I=Leakage Current(μA) C=Rated Capacitance(μF) V=Rated Voltage(V)																							
Dissipation Factor(MAX) (tan δ)	<table border="1"> <thead> <tr> <th colspan="2">Rated Voltage (V)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> </tr> </thead> <tbody> <tr> <td rowspan="2">tanδ</td> <td>$\phi 4, \phi 5, \phi 6.3 \times 5.5$</td> <td>0.26</td> <td>0.22</td> <td>0.18</td> <td>0.16</td> <td>0.13</td> <td>0.12</td> </tr> <tr> <td>$\phi 6.3 \times 8, \phi 8 \sim \phi 10$</td> <td>0.35</td> <td>0.26</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> </tr> </tbody> </table> <p>(20°C, 120Hz) When rated capacitance is over 1000 μF, tanδ shall be added 0.02 to the listed value with increase of every 1000 μF.</p>	Rated Voltage (V)		6.3	10	16	25	35	50	tan δ	$\phi 4, \phi 5, \phi 6.3 \times 5.5$	0.26	0.22	0.18	0.16	0.13	0.12	$\phi 6.3 \times 8, \phi 8 \sim \phi 10$	0.35	0.26	0.20	0.16	0.14	0.12
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Endurance	After applying rated voltage with rated ripple current for 2000 hrs at 85°C, the capacitors shall meet the following requirements. <table border="1"> <tr> <td>Capacitance Change</td> <td>Within $\pm 25\%$ of the initial value.</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 $\pm 25\%$ of the initial value.	Dissipation Factor	Not more than 200% 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>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> </tr> </thead> <tbody> <tr> <td>Z(-25°C) / Z(20°C)</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z(-40°C) / Z(20°C)</td> <td>8</td> <td>8</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> </tr> </tbody> </table> <p>(120Hz)</p>	Rated Voltage (V)	6.3	10	16	25	35	50	Z(-25°C) / Z(20°C)	4	3	2	2	2	2	Z(-40°C) / Z(20°C)	8	8	4	4	3	3		
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◆ MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

Frequency (Hz)		60(50)	120	500	1k	10k \leq
Coefficient	0.1~1 μF	0.50	1.00	1.20	1.30	1.50
	2.2~4.7 μF	0.65	1.00	1.20	1.30	1.50
	10~47 μF	0.80	1.00	1.20	1.30	1.50
	100~1000 μF	0.80	1.00	1.10	1.15	1.20

◆ MARKING


*Voltage Code

Rated Voltage (V)	6.3	10	16	25	35	50
Rated Voltage code	j	A	C	E	V	H

◆ PART NUMBER

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Rated Voltage	JEV Series	Rated Capacitance	Capacitance Tolerance	Option	DxL Case Size

