

**JEV SERIES**

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**

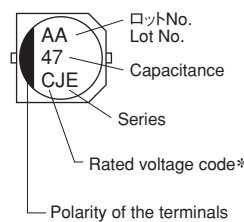
Items	Characteristics																					
Category Temperature Range	-40 ~ +85°C																					
Rated Voltage Range	6.3~50V.DC																					
Capacitance Tolerance	±20%(20°C, 120Hz)																					
Leakage Current(MAX)	I=0.01CV or 3 $\mu\text{A}$ whichever is greater. (After 2 minutes application of rated voltage) I=Leakage Current( $\mu\text{A}$ ) C=Rated Capacitance( $\mu\text{F}$ ) V=Rated Voltage(V)																					
Dissipation Factor(MAX) (tan $\delta$ )	<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><math>\phi 4, \phi 5, \phi 6.3 \times 5.5</math></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><math>\phi 6.3 \times 8, \phi 8 \sim \phi 10</math></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> (20°C, 120Hz)	Rated Voltage (V)	6.3	10	16	25	35	50	$\phi 4, \phi 5, \phi 6.3 \times 5.5$	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"> <tbody> <tr> <td>Capacitance Change</td> <td>Within ±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> </tbody> </table>	Capacitance Change	Within ±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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◆ **MULTIPLIER FOR RIPPLE CURRENT**

Frequency coefficient

Frequency(Hz)	60(50)	120	500	1k	10k $\leq$
0.1~1 $\mu\text{F}$	0.50	1.00	1.20	1.30	1.50
2.2~4.7 $\mu\text{F}$	0.65	1.00	1.20	1.30	1.50
10~47 $\mu\text{F}$	0.80	1.00	1.20	1.30	1.50
100~1000 $\mu\text{F}$	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**

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JEV
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DxL  
 Rated Voltage      Series      Rated Capacitance      Capacitance Tolerance      Option      Case Size

