

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.

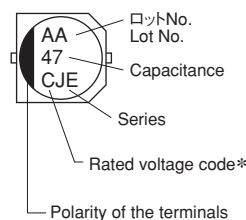

◆ SPECIFICATIONS

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 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> (20°C, 120Hz)	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"> <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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Low Temperature Stability Impedance Ratio(MAX)	<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>Z(-25°C)/Z(20°C)</td> <td></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></td> <td>8</td> <td>8</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> </tr> </tbody> </table> (120Hz)	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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Z(-40°C)/Z(20°C)		8	8	4	4	3	3																		

◆ 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

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

