

**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**

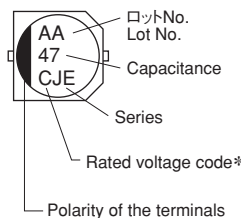
Items	Characteristics																					
Category Temperature Range	-40 ~ +85°C																					
Rated Voltage Range	6.3~50V.DC																					
Capacitance Tolerance	±20%(20°C, 120Hz)																					
Leakage Current(MAX)	I=0.01CV or 3 $\mu\text{A}$ whichever is greater. (After 2 minutes 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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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																

**◆ 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

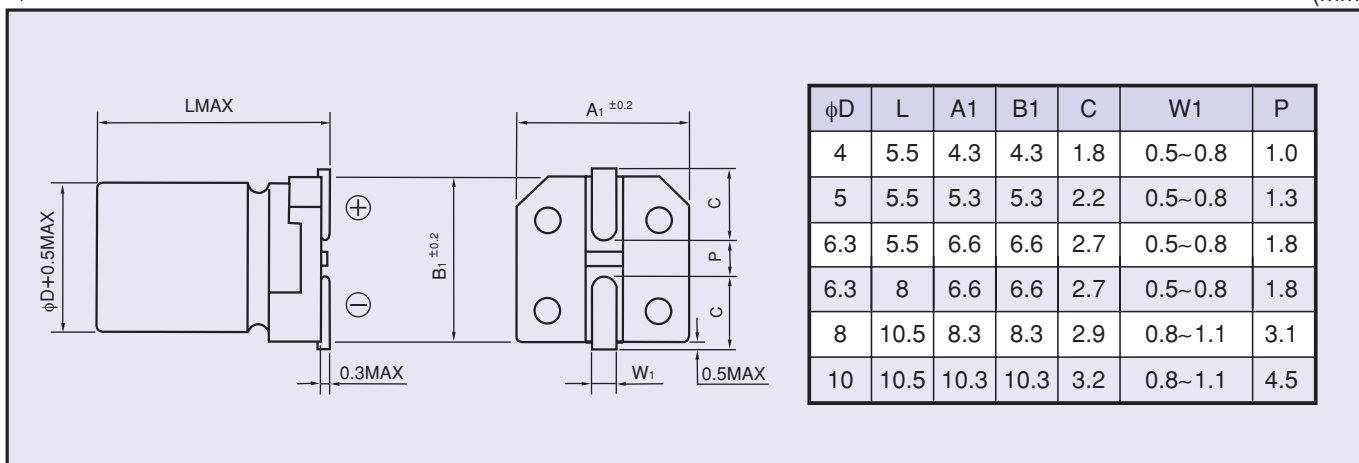
**◆ PART NUMBER**

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



◆ DIMENSIONS

(mm)



◆ STANDARD SIZE

Size φD×L(mm), Ripple Current (mA r.m.s./85°C, 120Hz)

WV(V.DC) Cap(μF)	6.3 (0J)		10 (1A)		16 (1C)		25 (1E)		35 (1V)		50 (1H)	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.1											4x5.5	1.0
0.22											4x5.5	2.0
0.33											4x5.5	2.8
0.47											4x5.5	4.0
1											4x5.5	8.4
2.2											4x5.5	14
3.3											4x5.5	17
4.7							4x5.5	18	4x5.5	18	4x5.5 5x5.5	18 22
10					4x5.5	25	4x5.5	25	5x5.5	30	5x5.5 6.3x5.5	30 35
22	4x5.5	29			4x5.5 5x5.5	30 39			6.3x5.5	48	6.3x5.5	48
33			5x5.5	43	5x5.5	43	6.3x5.5	54	6.3x5.5	58	6.3x8 8x10.5	95 200
47	5x5.5	46			5x5.5 6.3x5.5	50 60	6.3x5.5	60	6.3x8	105	8x10.5 10x10.5	240 280
100	6.3x5.5	71	6.3x5.5	71	6.3x5.5	86	6.3x8	145	8x10.5 10x10.5	280 480	8x10.5 10x10.5	320 500
220			6.3x8	175	8x10.5	290	8x10.5 10x10.5	300 560	10x10.5	570		
330	6.3x8	190	8x10.5	330	8x10.5 10x10.5	330 670	10x10.5	680				
470	8x10.5	380	8x10.5 10x10.5	380 680	8x10.5 10x10.5	385 690						
1000	10x10.5	700										