JEV SERIES

85°C Standard, High Temperature Reflow Soldering.



◆FEATURES

- Case Dia φ4~φ10mm
- 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) (tanδ)	(20°C,120Hz)
Endurance	After applying rated voltage with rated ripple current for 2000 hrs at 85°C, the capacitors shall meet the following requirements.
Low Temperature Stability Impedance Ratio(MAX)	(120Hz)

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Rated Voltage (V)		6.3	10	16	25	35	50
tanδ	φ4,φ5,φ6.3×5.5	0.26	0.22	0.18	0.16	0.13	0.12
	φ6.3×8,φ8~φ10	0.35	0.26	0.20	0.16	0.14	0.12

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.

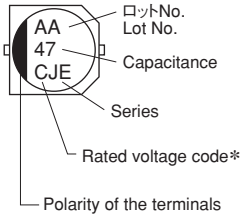
Rated Voltage (V)	6.3	10	16	25	35	50
Z(−25°C)/Z(20°C)	4	3	2	2	2	2
Z(−40°C)/Z(20°C)	8	8	4	4	3	3

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

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

◆MARKING



*Voltage Code

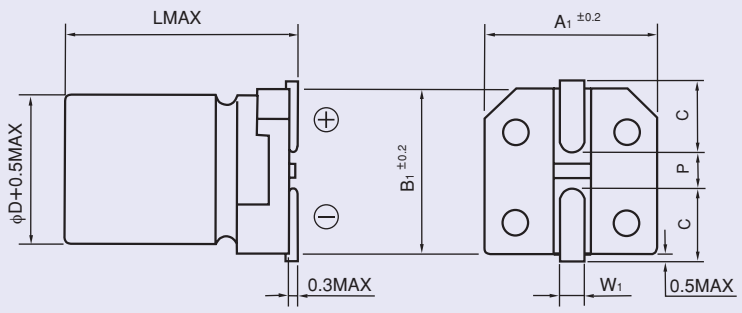
Rated Voltage (V)	6.3	10	16	25	35	50
Rated Voltage code	j	A	C	E	V	H

◆PART NUMBER

□□□ Rated Voltage / JEV Series / □□□□□ Rated Capacitance / □ Capacitance Tolerance / □□□ Option / D×L Case Size

◆DIMENSIONS

(mm)



φD	L	A1	B1	C	W1	P
4	5.5	4.3	4.3	1.8	0.5~0.8	1.0
5	5.5	5.3	5.3	2.2	0.5~0.8	1.3
6.3	5.5	6.6	6.6	2.7	0.5~0.8	1.8
6.3	8	6.6	6.6	2.7	0.5~0.8	1.8
8	10.5	8.3	8.3	2.9	0.8~1.1	3.1
10	10.5	10.3	10.3	3.2	0.8~1.1	4.5

◆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											4×5.5	1.0
0.22											4×5.5	2.0
0.33											4×5.5	2.8
0.47											4×5.5	4.0
1											4×5.5	8.4
2.2											4v5.5	14
3.3											4×5.5	17
4.7							4×5.5	18	4×5.5	18	4×5.5	18
											5×5.5	22
10					4×5.5	25	4×5.5	25	5×5.5	30	5×5.5	30
											6.3×5.5	35
22	4×5.5	29			4×5.5	30			6.3×5.5	48	6.3×5.5	48
					5×5.5	39						
33			5×5.5	43	5×5.5	43	6.3×5.5	54	6.3×5.5	58	6.3×8	95
											8×10.5	200
47	5×5.5	46			5×5.5	50	6.3×5.5	60	6.3×8	105	8×10.5	240
					6.3×5.5	60					10×10.5	280
100	6.3×5.5	71	6.3×5.5	71	6.3×5.5	86	6.3×8	145	8×10.5	280	8×10.5	320
									10×10.5	480	10×10.5	500
220			6.3×8	175	8×10.5	290	8×10.5	300	10×10.5	570		
							10×10.5	560				
330	6.3×8	190	8×10.5	330	8×10.5	330	10×10.5	680				
					10×10.5	670						
470	8×10.5	380	8×10.5	380	8×10.5	385						
			10×10.5	680	10×10.5	690						
1000	10×10.5	700										

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