Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

JKV SERIES

105°C Standard, High Temperature Reflow Soldering.

◆FEATURES

- Load Life : 105°C 1000 hours.
- High Temperature reflow soldering is available.
- Available for high density mounting.
- RoHS compliance.

◆SPECIFICATIONS

Items	Characteristics
Category Temperature Range	−55 ~+105°C
Rated Voltage Range	6.3~50V.DC
Capacitance Tolerance	± 20%(20°C, 120Hz)
Leakage Current(MAX)	I=0.01CV or 3μA 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)

Rated Voltage (V)		6.3	10	16	25	35	50
tanδ	φ4~φ6.3	0.30	0.24	0.20	0.16	0.14	0.12
	φ8, φ10	0.35	0.26	0.20	0.16	0.14	0.12

Endurance: After applying rated voltage with rated ripple current for 1000 hrs at 105°C, the capacitors shall meet the following requirements.

Capacitance Change	Within ±30% of the initial value. (φ8,10: ±25%)
Dissipation Factor	Not more than 300% of the specified value. (φ8,10:200%)
Leakage Current	Not more than the specified value.

Low Temperature Stability Impedance Ratio(MAX) (120Hz)

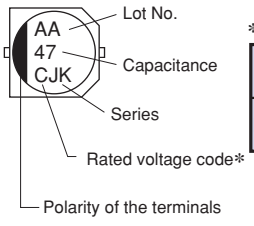
Rated Voltage (V)	6.3	10	16	25	35	50
Z(−25°C)/Z(20°C)	4	3	2	2	2	2
Z(−40°C)/Z(20°C)	8	8	4	4	3	3

◆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

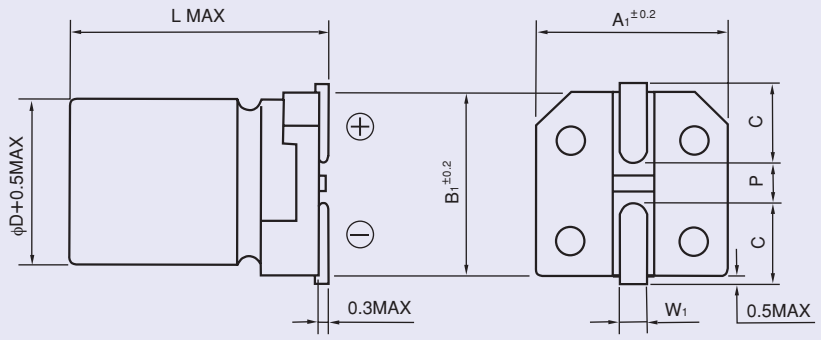
Rated Voltage (V)	6.3	10	16	25	35	50
Rated Voltage code	j	A	C	E	V	H

◆PART NUMBER

□□□ Rated Voltage / JKV 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
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 φ D×L(mm), Ripple Current (mA r.m.s./105°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	3.0
0.47											4×5.5	4.0
1											4×5.5	8.0
2.2											4×5.5	11
3.3											4×5.5	13
4.7									4×5.5	14	5×5.5	18
10					4×5.5	20			5×5.5	24	6.3×5.5	28
22	4×5.5	23			5×5.5	31			6.3×5.5	46		
33			5×5.5	34			6.3×5.5	48			8×10.5	135
47	5×5.5	37			6.3×5.5	56					8×10.5	155
											10×10.5	180
100	6.3×5.5	57			6.3×5.5	65	8×10.5	180	8×10.5	180	8×10.5	200
									10×10.5	305	10×10.5	315
220					8×10.5	185	8×10.5	190	10×10.5	360		
							10×10.5	353				
330			8×10.5	195	8×10.5	195	10×10.5	450				
					10×10.5	440						
470	8×10.5	210	8×10.5	210	10×10.5	460						
			10×10.5	440								
1000	10×10.5	480										