

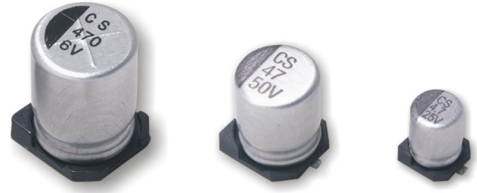
jb® SMD Aluminum Electrolytic Capacitor – JCS

FEATURES

- Designed for surface mounting on high density circuit board.
- Emboss carrier tape packing system is available for automatic insertion.

SPECIFICATIONS

- Operating Temperature -40°C ~ +85°C
- Voltage Range 4V ~ 100V.DC
- Capacitance Range 0.1 ~ 470 μF
- Capacitance Tolerance ±20% at 120Hz, 20°C
- Leakage Current Leakage current (Φ4~Φ8x6.2) ≤0.01CV or 3μA, whichever is greater. (after 2 minutes application of rated voltage)



- Dissipation Factor (tan δ) Measurement frequency: 120Hz, Temperature: 20°C

Rated Voltage (V)		4	6.3	10	16	25	35	50	63	100
tanδ (max)	Φ4~Φ8x6.2	0.35	0.26	0.20	0.16	0.14	0.12	0.12	0.10	0.10

- Stability At Low Temp. Measurement frequency: 120Hz

Rated Voltage (V)		4	6.3	10	16	25	35	50~100
Impedance Ratio	Φ4~Φ8x6.2	Z-25°C/ Z+20°C	7	4	3	2	2	2
		Z-40°C/ Z+20°C	15	8	6	4	4	3

- Load Life After 2000 hours application of rated voltage at 85°C, capacitors meet the characteristics requirements listed below.

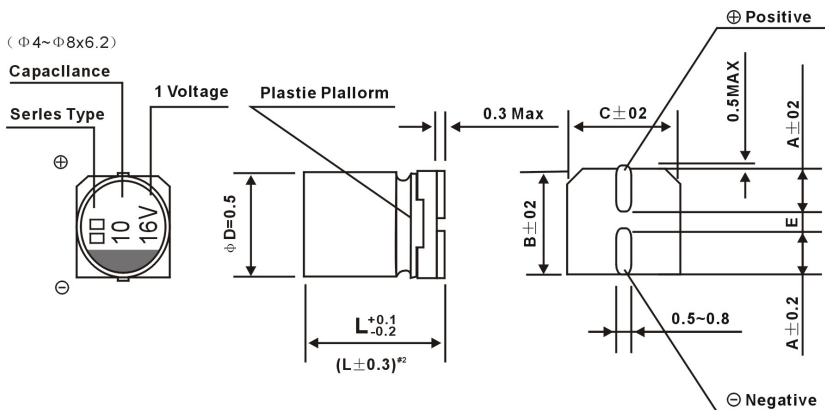
Capacitance Change	Within ± 20% of initial value (Within ± 25% of initial value for 4V)
Dissipation Factor	200% or less of initial specified value
Leakage Current	Initial specified value or less

- Shelf Life After leaving capacitors under no load at 85°C for 1000 hours, they meet the specified value for load life characteristics listed above.

- Resistance to Soldering Heat After reflow soldering and restored at room temperature, they meet the characteristics listed below.

Capacitance Change	Within ± 10% of initial value
Tan δ	Initial specified value or less
Leakage Current	Initial specified value or less

DRAWING



#1 Voltage mark for 6.3V is [6V]

#2 Applicable to 6.3 x 7.7

ΦDxL	4x5.4	5x5.4	6.3x5.4	6.3x7.7	8x6.2
A	1.8	2.1	2.4	2.4	3.3
B	4.3	5.3	6.6	6.6	8.3
C	4.3	5.3	6.6	6.6	8.3
E±0.2	1.0	1.3	2.2	2.2	2.2
L	5.4	5.4	5.4	7.7	6.2

Please visit our website to get more update data, those data & specification are subject to change without notice.

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SMD Aluminum Electrolytic Capacitor – JCS

■ Frequency coefficient of allowable ripple current

Frequency		50Hz	120Hz	300Hz	1kHz	10kHz~
Coefficient	Φ4~Φ8x6.2	0.1~68uF	0.70	1.00	1.17	1.50
		100~470uF	0.85	1.00	1.08	1.30

■ STANDARD SIZE

Cap.(μF)	WV	4		6.3		10		16		25	
		OG		OJ		1A		1C		1E	
4.7	4R7	--	--	--	--	--	--	--	--	--	--
10	100	--	--	--	--	--	--	4×5.4	25	5×5.4 (4×5.4)	28 (20)
15	150	--	--	--	--	--	--	4×5.4	28	5×5.4	34
22	220	--	--	4×5.4	31	5×5.4 (4×5.4)	35 (28)	5×5.4 (4×5.4)	39 (28)	6.3×5.4 (5×5.4)	52 (35)
33	330	4×5.4	26	5×5.4 (4×5.4)	39 (31)	5×5.4 (4×5.4)	43 (32)	6.3×5.4 (5×5.4)	57 (40)	6.3×5.4 (5×5.4)	63 (42)
47	470	4×5.4	34	5×5.4 (4×5.4)	47 (36)	6.3×5.4 (5×5.4)	59 (43)	6.3×5.4 (5×5.4)	68 (44)	6.3×5.4	68
56	560	4×5.4	39	5×5.4	46	6.3×5.4	57	6.3×5.4	74	6.3×5.4	82
68	680	5×5.4	45	6.3×5.4 (5×5.4)	62 (52)	6.3×5.4	72	6.3×5.4	80	6.3×5.4	94
100	101	5×5.4	61	6.3×5.4 (5×5.4)	71 (55)	6.3×5.4	76	6.3×5.4 8 X 6.2	86 200	6.3×7.7 8 x 6.2	130 91
150	151	6.3×5.4	74	6.3×5.4	78	6.3×5.4	88	6.3×7.7	135	6.3 x 7.7	130
220	221	6.3×5.4	82	6.3×5.4	95	6.3×7.7 8 X 6.2	150 250	(6.3×7.7) 8 X 6.2	(150) 135	--	--
330	331	6.3×7.7	150	6.3×5.4 6.3 X 7.7 8 X 6.2	150 300	--	--	--	--	--	--
470	471	6.3×7.7	150	6.3 X 7.7	150	--	--	--	--	--	--

Cap.(μF)	WV	35		50		63		100	
		1V		1H		1J		2A	
0.1	0R1	--	--	4×5.4	1.0	4×5.4	1.0	--	--
0.22	R22	--	--	4×5.4	2.3	4×5.4	2.3	--	--
0.33	R33	--	--	4×5.4	3.5	4×5.4	3.5	--	--
0.47	R47	--	--	4×5.4	5.0	4×5.4	5.0	--	--
1	010	--	--	4×5.4	10	4×5.4	10	4×5.4	10
1.5	1R5	--	--	4×5.4	12	4×5.4	12	6.3×5.4	15
2.2	2R2	--	--	4×5.4	15	4×5.4	15	6.3×5.4	20
3.3	3R3	--	--	4×5.4	18	5×5.4	20	6.3×7.7 (6.3×5.4) (8 X 6.2)	45 (28) (50)
4.7	4R7	--	--	5×5.4 (4×5.4)	23 (19)	6.3×5.4 (5×5.4)	30 (23)	6.3×7.7 (6.3×5.4) (8 X 6.2)	50 (30) (50)
10	100	5×5.4 (4×5.4)	30 (20)	6.3×5.4 (5×5.4)	34 (27)	6.3×7.7 (6.3×5.4)	55 (34)	(6.3×7.7) (8 X 6.2)	(50) (50)
22	220	6.3×5.4	54	6.3×5.4 (8 X 6.2)	60 (120)	6.3×7.7	70	--	--
33	330	6.3×5.4 8 X 6.2	60 130	6.3×7.7 (8 X 6.2)	85 (65)	6.3×7.7	85	--	--
47	470	6.3×5.4 8 X 6.2	70 165	6.3×7.7	90	--	--	--	--
56	560	6.3×7.7	80	6.3×7.7	110	--	--	--	--
68	680	6.3×7.7	110	--	--	--	--	--	--
100	101	6.3×7.7	120	--	--	--	--	--	--

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