

SMD Aluminum Electrolytic Capacitor – JCT

FEATURES

- 105°C 2,000 to 3,000hours
- Solvent proof (within 2 minutes)

SPECIFICATIONS

Operating Temperature -55°C ~ +105°C
 Voltage Range 6.3V ~ 50V.DC
 Capacitance Range 10~ 2200μF
 Capacitance Tolerance ±20% at 120Hz, 20°C
 Leakage Current The greater value of either 0.01CV or 3μAr
 μA/after 2minutes (max)



Dissipation Factor (Tan δ) Measurement Frequency: 120Hz, Temperature: 20°C

Rated Voltage (V)		6.3	10	16	25	35	50
Surge voltage (V)		8.0	13	20	32	44	63
Tan δ(Max.)	Φ 4 to Φ 6.3	0.30	0.24	0.22	0.20	0.18	0.16
	Φ 8 to Φ 10	0.32	0.26	0.24	0.22	0.20	0.18
Exceeding 1,000 μF, +0.02 every 1,000 μF							

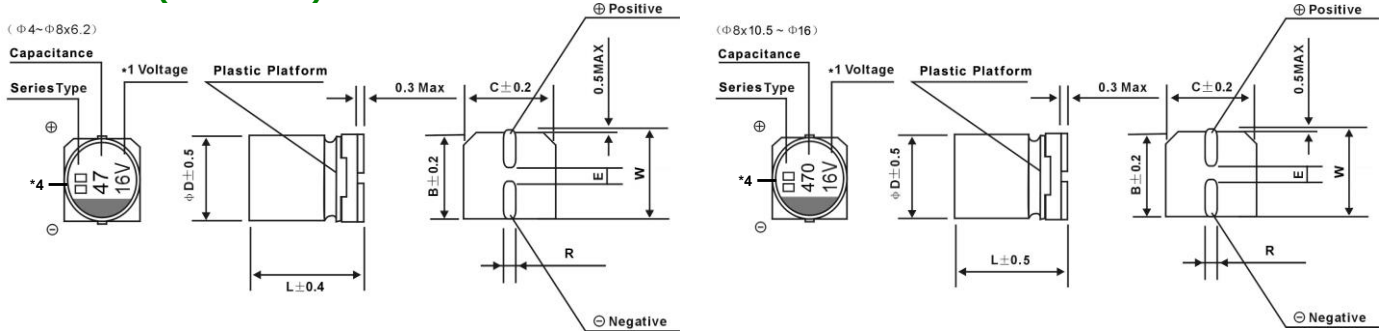
Stability At Low Temp. Measurement Frequency: 120Hz, +20°C

Rated Voltage (V)		6.3	10	16	25	35	50
Impedance Ratio	-25°C	4	3	2	2	2	2
ZT/Z 20°C (Max.)	-55°C	8	6	4	3	3	3

Load Life 105°C, 2,000hours rated voltage applied(With the rated ripple current)
 Capacitors meet the characteristics requirements listed below.

Testing	6.3V.DC : 3,000hours, Φ 8x10.5 and Φ 10x10.5 : 3,000hours
Capacitance Change	Within ±30% of the initial value
Dissipation Factor	Less than 300% of the specified value
Leakage Current	Less than the specified value

DRAWING (Unit: mm)



*1 Voltage mark for 6.3V is [6V] *2 Applicable to Φ8x10.5~Φ10 *3 Applicable to Φ12.5 *4 Surface Marking Types: jbT, jT, RT

ΦDxL	4x5.4	5x5.4	6.3x5.4	6.3x7.7	8x6.5	8x10.5	10x10.5
B	4.3	5.3	6.6	6.6	8.3	8.3	10.3
C	4.3	5.3	6.6	6.6	8.3	8.3	10.3
E±0.2	1.0	1.3	2.2	2.2	3.1	3.1	4.4
L	5.4	5.4	5.4	7.7	6.5	10.5	10.5
R	0.5 to 0.8	0.5 to 0.8	0.5 to 0.8	0.5 to 0.8	0.7 to 1.2	0.7 to 1.2	0.7 to 1.2
W	5.1	6.1	7.3	7.3	9.2	9.2	11.2

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Ripple Current Frequency Coefficient

Frequency:F(Hz)		100≦F<1k	1k≦F<10k	10k≦F<100k	100k≦F
Capacitance:C(μF)	C≦100	1.00	1.30	1.50	1.80
	100<C≦330	1.00	1.20	1.30	1.45
	330<C	1.10	1.10	1.20	1.30

STANDARD SIZE

WV		6.3		10		16		25		35		50	
Cap.μF		0J		1A		1C		1E		1V		1H	
10	100											4x5.8 (5x5.8)	30 (55)
22	220									4x5.8	55	5x5.8	55
33	330							4x5.8	60	5x5.8	85		
47	470					4x5.8	60	5x5.8	95	5x5.8	95	6.3x5.8	75
68	680			4x5.8	60	5x5.8	95	5x5.8	95	6.3x5.8	120		
100	101	4x5.8	60			5x5.8	95	6.3x5.8	120	6.3x5.8	120	6.3x7.7	140
150	151			5x5.8	95	6.3x5.8	120	6.3x7.7	240	6.3x7.7	240		
220	221	5x5.8	95	6.3x5.8	180	6.3x5.8	180	6.3x7.7	360			8x10.5	400
330	331	6.3x5.8	180	6.3x7.7	360	6.3x7.7	360			8x10.5	510	10x10.5	270
390	391							8x10.5	510	8x10.5	510		
470	471	6.3x7.7	360	6.3x7.7	360	8x6.5	360	8x10.5	510				
560	561							8x10.5	510	10x10.5	660		
680	681	6.3x7.7	360			8x10.5	510	10x10.5	710	10x10.5	710		
820	821					8x10.5	510	10x10.5	710				
1000	102			8x10.5	510	10x10.5	710	10x10.5	710				
1200	122					10x10.5	710						
1500	152	8x10.5	510	10x10.5	710							Case size	Rated ripple current
2200	222	10x10.5	710										

Case Size ØDxL(mm),ripple current(mA rms) at 105°C 120Hz

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