SMD Aluminum Electrolytic Capacitor – JCJ

FEATURES

- Endurance : 105℃ 2000H.
- Specially designed for LED display screen.
- Designed for reflow soldering.
- Designed for surface mounting on high-density PCB.

SPECIFICATIONS

Operating Temperature	-40℃ ~ +105℃
Voltage Range	10V ~ 16V.DC
Capacitance Range	220μF
Capacitance Tolerance	±20% at 120Hz, 20℃
Leakage Current	Leakage current ≤0.01CV or 3μA, whichever is greater (After 2 minutes application of rated voltage)

Dissipation Factor (Tan δ)

Measurement Frequency: 120Hz, Temperature: +20℃

Rated Voltage (V)	10	16
Tan δ (Max.)	0.24	0.20

Characteristics at low Temp.

Measurement Frequency: 120Hz

Rated Voltage (V)		10	16
Impedance Ratio ZT/Z20 (Max.)	Z(-25℃)/ Z(+20℃)	4	3
	Z(-40℃)/ Z(+20℃)	8	6

Endurance

After applying rated working voltage for 2000 hours at +105℃±2℃, and then being stabilized at +20℃, capacitors shall meet the following limits.

Capacitance Change	Within ±30% of the initial value
Dissipation Factor	Less than 300% of the initial value
Leakage Current	Within the initial limit

Shelf Life

After storage for 1000 h at +105℃±2℃with no voltage applied and then being stabilized at +20℃, capacitors shall meet the limits specified in endurance.

Resistance to Soldering Heat

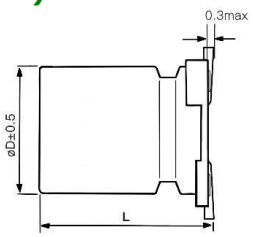
After reflow soldering and then being stabilized at +20℃, capacitors shall meet the following limits

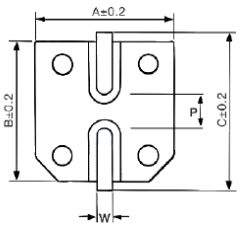
Capacitance Change	Within ± 10% of initial value
Dissipation Factor	Within the initial limit
Leakage Current	Within the initial limit

Frequency correction factor for RC

Frequency	50Hz	120Hz	1kHz	10kHz≦
Correction Factor	0.7	1.0	1.2	1.3

DRAWING (Unit: mm)





*1 Surface Marking Types: jbJ, jJ, AJK

(mm)

ΦD	L	A	B	C	W	P±0.2
6.3	5.7	6.6	6.6	7.3	0.5~0.8	2.2
6.3	7.7	6.6	6.6	7.3	0.5~0.8	2.2

STANDARD SIZE

WV		10		16		--	
Cap.(μF)		1A		1C		--	
220	221	6.3x5.7	75	6.3x7.7	110	Case Size	Allowable Ripple (mA rms) at 105℃ 120Hz

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