ALUMINUM ELECTROLYTIC CAPACITORS

Suntan®

CHIP TYPE SERIES

TS13CJ

FEATURES

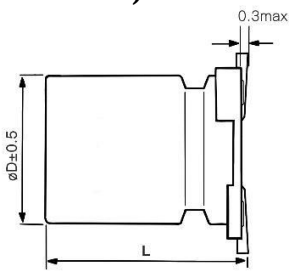
- Endurance : 105℃ 2000H.
- Specially designed for LED display screen.
- Designed for reflow soldering.
- Designed for surface mounting on high-density PCB.

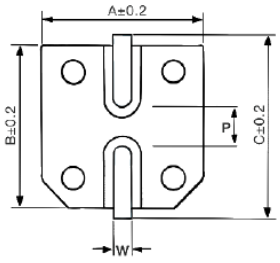
Standard Series

◆ Specifications

ITEMS	PERFORMANCE CHARACTERISTICS
Operating Temperature Range	-40℃ ~ +105℃
Voltage Range	10~16V
Capacitance Range	220 μF
Capacitance Tolerance	±20% at 120Hz, 20℃
Leakage Current	Leakage current≤0.01CV or 3 μA,, whichever is greater.(After 2 minutes' application of rated voltage)
Tan δ	Measurement frequency : 120Hz, Temperature : +20℃ Rated voltage (V): 10 / 16 Tan δ (MAX): 0.24 / 0.20
Characteristics at low temperature	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 Tan δ: Less than 300% of the initial value Leakage Current: Within the initial limit
Self 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 Tan δ: Within the initial limit Leakage Current: Within the initial limit
Frequency correction factor for ripple current	Frequency: 50Hz / 120Hz / 1kHz / 10kHz≦ Correction Factor: 0.7 / 1.0 / 1.2 / 1.3

◆ Drawing (Unit: mm)





*1 Markings: SuJ, SJ, AJK

Dimensions						Unit: mm
ØD	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 & Maximum permissible ripple current

WV / Cap.(μF)		10		16	
		1A		1C	
220	221	6.3x5.7	75	6.3x7.7	110

Allowable Ripple (mA rms) at 105℃ 120Hz