

SPECIFICATION FOR APPROVAL

CUSTOMER _____

PART NAME **CHIP TANTALUM CAPACITOR - SMD**

SPEC

TS20 10uF 6.3V +/-20% J case (size: L:1.6*W1:0.85 *H:0.85)+/-0.2mm T&R RoHS*

TS20 10uF 10V +/-20% J case(size: L:1.6*W1:0.85 *H:0.85)+/-0.2mm T&R RoHS*

TS20 10uF 6.3V +/-20% Case P T&R RoHS*

PART NO _____

DATE

2024-09-20

CUSTOMER APPROVE

DRAWING

PREPARED

CHECKED

APPROVED

Suntan® Technology Company Limited

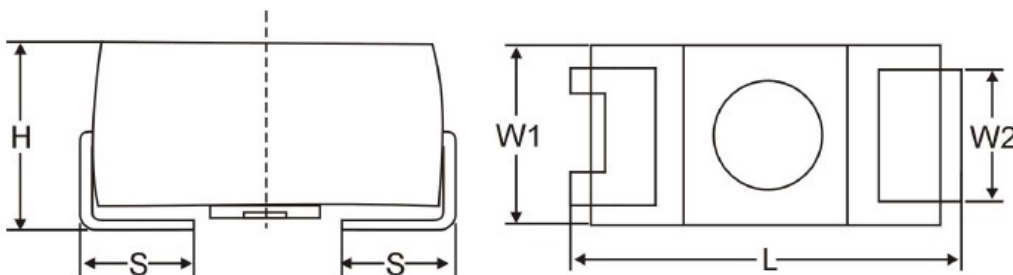
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1. Tantalum chip capacitors standard, miniature size, wide operating temperature, high stability, good frequency characteristic.

Most suitable for high-density surface mount military and consumer electronic equipment, such as color TV sets, PC, mobile telephone sets, pickup camera, radar etc.

2. Outline & Dimensions



Unit:mm

Case Size		L	W1	H	S	W2
J	1608	1.6(± 0.2)	0.85(± 0.2)	0.85(± 0.2)	0.5(± 0.3)	0.55(± 0.2)
P	2012	2.0(± 0.4)	1.2(± 0.4)	1.2(± 0.4)	0.5(± 0.3)	1.0(± 0.2)

3. Characteristics

Item	Characteristic									
Operating Temperature Range	-55°C~+125°C(>85°C applying voltage derating)									
Rated voltage Rang	6.3V,10V									
Capacitance Tolerance	±20% (25°C, 100Hz)									
Leakage Current (I ₀)	Measured after 5 minutes application of rated voltage reading, I ₀ ≤0.01C _R U _R or 0.5μA whichever is greater(0.5uA) (25°C±5°C) C _R — (μF) Nominal Capacitance U _R — (V) Rated voltage									
Temperature characteristics	Nominal Capacitance C _R	Dissipation Factor (tgδ _{max})			Capacitance change (%)				DCL max (uA)	
		-55°C	+85°C	+125°C	-55°C	+25°C	+85°C	+125°C	+85°C	+125°C
	10μF	±10	±10	±12	10	6	10	10	±10I ₀	±12I ₀
Load Life	After applying rated voltage for 2000 hours at 85°C									
	Capacitance change					Within ± 10% of the initial value				
	Dissipation Factor					Not more than 150% of the specified value				
	Leakage Current (I ₀)					Not more than 200% of the specified value				

Rated Voltage(V)	Rated CAP(uF)	Max ESR(Ω)@25°C 100KHz	Df 120Hz (%)		
			25°C	85°C	125°C
10	10	6000m Ohms	20	20	30
6.3	10	7500m Ohms	20	20	30
6.3	10	9000m Ohms	10	10	20

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