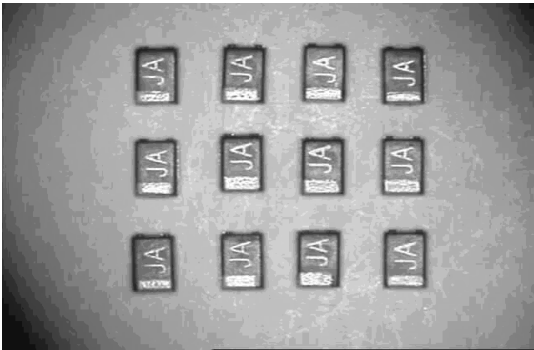


SCS Series P-Case

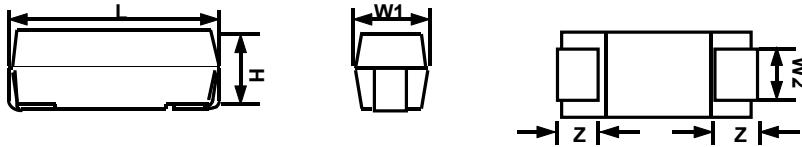


FEATURES

Reduced to about 1/3 the cubic volume of the SCN.

- * New Low Profile Case Size.
(0805 Size Tantalum Chip Capacitors)
- * Compatible with automatic pick and place equipment.
- * Meets or Exceeds EIA standard 535BAAC .

Drawing and Dimension



【unit :millimeters(inch)】

Case Code	EIA Code	L	W ₁	W ₂	H Max.	Z
P	2012 (0805)	2.0± 0.2	1.25± 0.2	0.9± 0.1	1.2	0.5± 0.2

SPECIFICATIONS

Capacitance	Range	0.1 μ F to 22 μ F					
	Tolerance	\pm 20%(M), \pm 10%(K)					
Dissipation Factor (Tan δ)	C \leq 1.0 μ F	D.F \leq 6.0%					
	1.5 μ F \leq C \leq 15 μ F	D.F \leq 8.0%					
	C \geq 22 μ F	D.F \leq 10.0%					
Leakage Current		between 0.01CV and 0.5 μ A, whichever is larger					
Rated Voltage (V _R)		4.0	6.3	10	16	20	25
Operating Voltage (V)	T \leq 85 $^{\circ}$ C	4.0	6.3	10.0	16.0	20.0	25.0
	85 $^{\circ}$ C < T \leq 125 $^{\circ}$ C	2.5	4.0	6.3	10.0	13.0	16.0
Surge Voltage (V)	T \leq 85 $^{\circ}$ C	5.2	8.0	13.0	20.0	25.0	32.0
	85 $^{\circ}$ C < T \leq 125 $^{\circ}$ C	3.2	5.0	8.0	13.0	16.0	20.0
Operating Temperature		-55 $^{\circ}$ C to 125 $^{\circ}$ C					



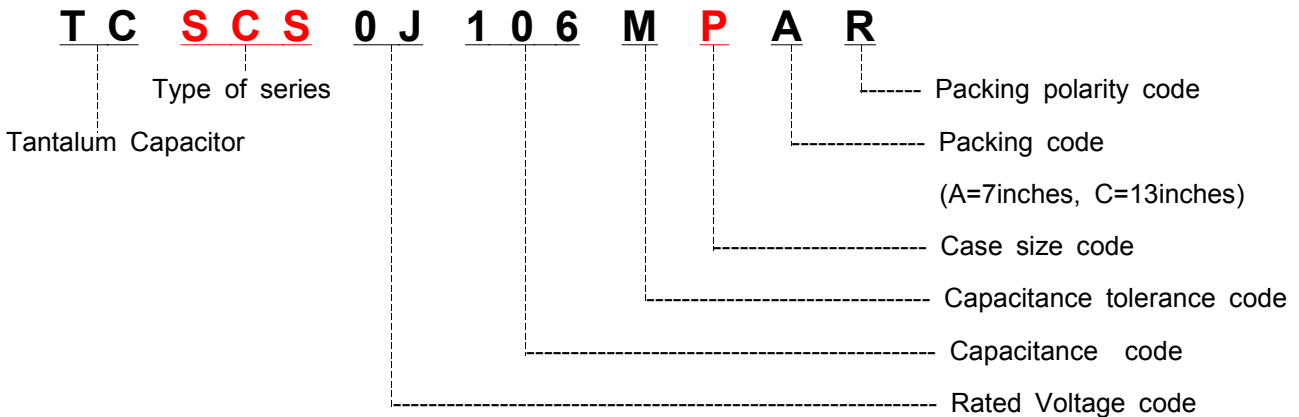
(SCS Series) Standard value and case size.

W.V		4V (0G)	6.3V (0J)	10V (1A)	16V (1C)	20V (1D)	25V (1E)
0.15	154						
0.22	224					P	
0.33	334						
0.47	474					P	
0.68	684						
1.0	105	P	P	P	P	P	
1.5	155						
2.2	225	P	P	P			
3.3	335		P				
4.7	475	P	P	P			
6.8	685		P				
10	106	P	P				
15	156						
22	226	P					

※ Red = In Development
 Blue = Mass Production

ORDERING INFORMATION

Product symbol : (Example) **SCS** Series, **P** Case, 6.3V 10 μ F \pm 20%





ELECTRO-MECHANICS

Solid Tantalum Chip Capacitor.

SCS - P CASE(0805 Size Tantalum Chip Capacitors)

SCS - P Case Ratings & Part Number Reference

Part Number	Case Size	Capacitance μF	DC Leakage μA @+25°C Max	DF % @+25°C 120Hz Max	ESR Ω @+25°C Max
4 Volt Rating @+85°C (2.5Volt Rating @+125°C)					
TCSCS0G105*PAR	P	1	0.5	6	20
TCSCS0G155*PAR	P	1.5			
TCSCS0G225*PAR	P	2.2	0.5	6	15
TCSCS0G335*PAR	P	3.3			
TCSCS0G475*PAR	P	4.7	0.5	8	9
TCSCS0G685*PAR	P	10			
TCSCS0G106*PAR	P	15	0.5	8	6
TCSCS0G156*PAR	P	22			
TCSCS0G226*PAR	P	33			
6.3 Volt Rating @+85°C (4Volt Rating @+125°C)					
TCSCS0J105*PAR	P	1	0.5	6	20
TCSCS0J155*PAR	P	1.5			
TCSCS0J225*PAR	P	2.2	0.5	6	15
TCSCS0J335*PAR	P	3.3			
TCSCS0J475*PAR	P	4.7	0.5	8	9
TCSCS0J685*PAR	P	6.8			
TCSCS0J106*PAR	P	10	0.6	8	6
10 Volt Rating @+85°C (6.3Volt Rating @+125°C)					
TCSCS1A684*PAR	P	0.68			
TCSCS1A105*PAR	P	1	0.5	6	20
TCSCS1A155*PAR	P	1.5			
TCSCS1A225*PAR	P	2.2	0.5	6	15
TCSCS1A335*PAR	P	3.3			
TCSCS1A475*PAR	P	4.7	0.5	8	9
16 Volt Rating @+85°C (10Volt Rating @+125°C)					
TCSCS1C474*PAR	P	0.47			
TCSCS1C684*PAR	P	0.68			
TCSCS1C105*PAR	P	1	0.5	6	20
20 Volt Rating @+85°C (13 Volt Rating @+125°C)					
TCSCS1D104*PAR	P	0.1			
TCSCS1D154*PAR	P	0.15			
TCSCS1D224*PAR	P	0.22			
TCSCS1D334*PAR	P	0.33			
TCSCS1D474*PAR	P	0.47			
TCSCS1D684*PAR	P	0.68			
TCSCS1D105*PAR	P	1			
25 Volt Rating @+85°C (16 Volt Rating @+125°C)					

All technical data relates to an ambient temperature of +25°C. Capacitance and DF are measured at 120Hz, 0.5v RMS with a maximum DC bias of 2.0 volts. DCL is measured at rated voltage after 5 minutes.

*Insert K for $\pm 10\%$ and M for $\pm 20\%$.