SCN Series Solid Tantalum Chip Capacitors

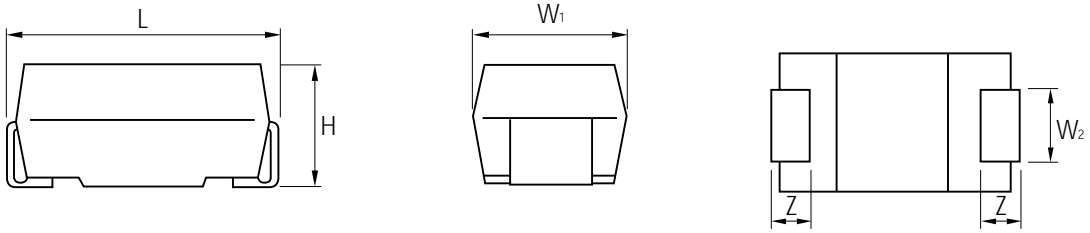
FEATURES

Molded Case available in four case codes.
Compatible with automatic pick and place equipment.
Meets or Exceeds EIA standard 53BAAC

PERFORMANCE / ELECTRICAL CHARACTERISTICS

- Operating Temperature: -55℃ to +85℃(To +125℃ with voltage derating)
- Capacitance Range: 0.15㎌ to 68㎌
- Capacitance Tolerance: ±20%, ±10% standard
- Operating Voltage: 4WVDC to 35WVDC
- Compliant Terminations: 90/10 SnPb finish

Case Dimensions



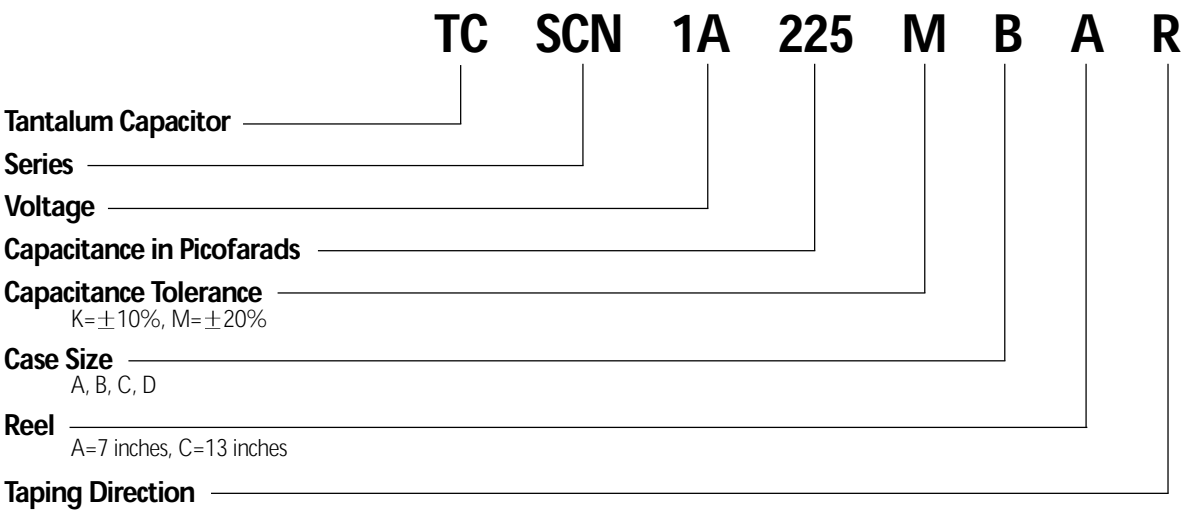
Unit : mm(inch)

Case Code	L	W_1	W_2	H	Z
A	3.2±0.2 (0.126±0.008)	1.6±0.2 (0.063±0.008)	1.2±0.1 (0.047±0.004)	1.6±0.2 (0.063±0.008)	0.8±0.3 (0.031±0.012)
B	3.5±0.2 (0.138±0.008)	2.8±0.2 (0.110±0.008)	2.2±0.1 (0.087±0.004)	1.9±0.2 (0.075±0.008)	0.8±0.3 (0.031±0.012)
C	6.0±0.3 (0.236±0.012)	3.2±0.3 (0.126±0.012)	2.2±0.1 (0.087±0.004)	2.5±0.3 (0.098±0.012)	1.3±0.3 (0.051±0.012)
D	7.3±0.3 (0.028±0.012)	4.3±0.3 (0.169±0.012)	2.4±0.1 (0.094±0.004)	2.8±0.3 (0.110±0.012)	1.3±0.3 (0.051±0.012)

Case Size and Rating Voltage

	4(0G)	6.3(0J)	10(1A)	16(1C)	20(1D)	25(1E)	35(1V)
0.15(154)							A
0.22(224)							A
0.33(334)						A	A
0.47(474)				A	A	A	B
0.68(684)				A	A		
1.0(105)			A	A			B
1.5(155)		A	A			B	
2.2(225)	A	A			B	C	
3.3(335)	A			B	C	C	C
4.7(475)			B	C	C	C	D
6.8(685)		B	C	C	C	D	D
10(106)	B	C	C	C	D	D	
15(156)	C	C	C	D	D		
22(226)	C	C	D	D			
33(336)	C	D	D				
47(476)	D	D					
68(686)	D						

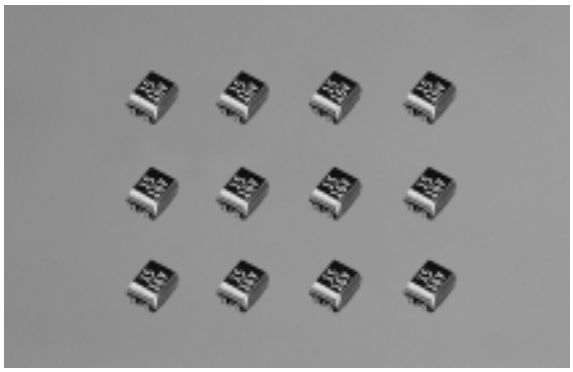
How to Order:



SCN Ratings & Part Number Reference

Part No.	Case Size	Capacitance (μF)	DCL(μA) Max.	DF(%) Max.
4 volt @ 85℃(2.5 volt @ 125℃)				
TCSCN0G225*AAR	A	2.2	0.5	6
TCSCN0G335*AAR	A	3.3	0.5	6
TCSCN0G106*BAR	B	10.0	0.5	6
TCSCN0G156*CAR	C	15.0	0.6	6
TCSCN0G226*CAR	C	22.0	0.9	6
TCSCN0G336*CAR	C	33.0	1.3	6
TCSCN0G476*DAR	D	47.0	1.9	6
TCSCN0G686*DAR	D	68.0	2.7	6
6.3 volt @ 85℃(4 volt @ 125℃)				
TCSCN0J155*AAR	A	1.5	0.5	6
TCSCN0J225*AAR	A	2.2	0.5	6
TCSCN0J685*BAR	B	6.8	0.5	6
TCSCN0J106*CAR	C	10.0	0.6	6
TCSCN0J156*CAR	C	15.0	0.9	6
TCSCN0J226*CAR	C	22.0	1.4	6
TCSCN0J336*DAR	D	33.0	2.0	6
TCSCN0J476*DAR	D	47.0	3.0	6
10 volt @ 85℃(6.3 volt @ 125℃)				
TCSCN1A105*AAR	A	1.0	0.5	4
TCSCN1A155*AAR	A	1.5	0.5	6
TCSCN1A475*BAR	B	4.7	0.5	6
TCSCN1A685*CAR	C	6.8	0.7	6
TCSCN1A106*CAR	C	10.0	1.0	6
TCSCN1A156*CAR	C	15.0	1.5	6
TCSCN1A226*DAR	D	22.0	2.2	6
TCSCN1A336*DAR	D	33.0	3.3	6
16 volt @ 85℃(10 volt @ 125℃)				
TCSCN1C684*AAR	A	0.68	0.5	4
TCSCN1C105*AAR	A	1.0	0.5	4
TCSCN1C335*BAR	B	3.3	0.5	6
TCSCN1C475*CAR	C	4.7	0.7	6
TCSCN1C685*CAR	C	6.8	1.0	6
TCSCN1C106*CAR	C	10.0	1.6	6
TCSCN1C156*DAR	D	15.0	2.2	6
TCSCN1C226*DAR	D	22.0	3.5	6
20 volt @ 85℃(13 volt @ 125℃)				
TCSCN1D474*AAR	A	0.47	0.5	4
TCSCN1D684*AAR	A	0.68	0.5	4
TCSCN1D225*BAR	B	2.2	0.5	6
TCSCN1D335*CAR	C	3.3	0.6	6
TCSCN1D475*CAR	C	4.7	0.9	6
TCSCN1D685*CAR	C	6.8	1.4	6
TCSCN1D106*DAR	D	10.0	2.0	6
TCSCN1D156*DAR	D	15.0	3.0	6
25 volt @ 85℃(16 volt @ 125℃)				
TCSCN1E334*AAR	A	0.33	0.5	4
TCSCN1E474*AAR	A	0.47	0.5	4
TCSCN1E155*BAR	B	1.5	0.5	6
TCSCN1E335*CAR	C	3.3	0.8	6
TCSCN1E475*CAR	C	4.7	1.1	6
TCSCN1E685*DAR	D	6.8	1.7	6
TCSCN1E106*DAR	D	10.0	2.5	6
35 volt @ 85℃(22 volt @ 125℃)				
TCSCN1V154*AAR	A	0.15	0.5	4
TCSCN1V224*AAR	A	0.22	0.5	4
TCSCN1V334*AAR	A	0.33	0.5	4
TCSCN1V474*BAR	B	0.47	0.5	4
TCSCN1V105*BAR	B	1.0	0.5	4
TCSCN1V225*CAR	C	2.2	0.7	6
TCSCN1V335*CAR	C	3.3	1.2	6
TCSCN1V475*DAR	D	4.7	1.6	6
TCSCN1V685*DAR	D	6.8	2.3	6

* Insert K for ±10% tolerance and M for ±20%.



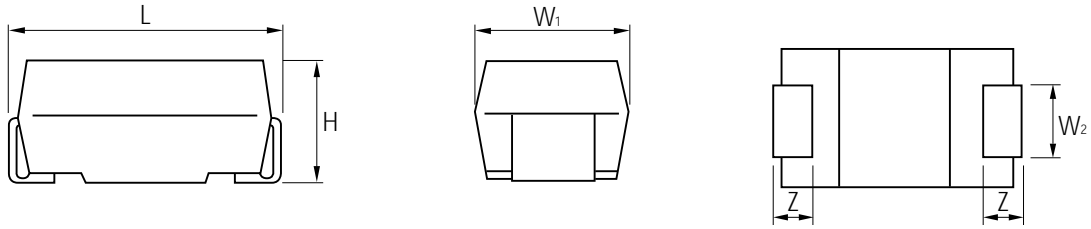
FEATURES

Molded Case available in five case codes.
Extended Range Values.
Compatible with automatic pick and place equipment.
Meets or Exceeds EIA standard 53BAAC
New Low Profile Case Size

PERFORMANCE / ELECTRICAL CHARACTERISTICS

- Operating Temperature: -55℃ to +85℃(To +125℃ with voltage derating)
- Capacitance Range: 0.47㎌ to 220㎌
- Capacitance Tolerance: ±20%, ±10% standard
- Operating Voltage: 4WVDC to 35WVDC
- Compliant Terminations: 90/10 SnPb finish

Case Dimensions



Unit : mm(inch)

Case Code	L	W_1	W_2	H	Z
P	2.0±0.2 (0.079±0.008)	1.25±0.2 (0.049±0.008)	0.9±0.1 (0.035±0.004)	1.2 max (0.047 max)	0.5±0.2 (0.020±0.008)
A	3.2±0.2 (0.126±0.008)	1.6±0.2 (0.063±0.008)	1.2±0.1 (0.047±0.004)	1.6±0.2 (0.063±0.008)	0.8±0.3 (0.031±0.012)
B	3.5±0.2 (0.138±0.008)	2.8±0.2 (0.110±0.008)	2.2±0.1 (0.087±0.004)	1.9±0.2 (0.075±0.008)	0.8±0.3 (0.031±0.012)
C	6.0±0.3 (0.236±0.012)	3.2±0.3 (0.126±0.012)	2.2±0.1 (0.087±0.004)	2.5±0.3 (0.098±0.012)	1.3±0.3 (0.051±0.012)
D	7.3±0.3 (0.028±0.012)	4.3±0.3 (0.169±0.012)	2.4±0.1 (0.094±0.004)	2.8±0.3 (0.110±0.012)	1.3±0.3 (0.051±0.012)

Case Size and Rating Voltage

	4(0G)	6.3(0J)	10(1A)	16(1C)	20(1D)	25(1E)	35(1V)
0.47(474)							A
0.68(684)						A	A
1.0(105)			P	P	A	A	A
1.5(155)				A	A	A	A, B*
2.2(225)			A	A	A	A, B	B
3.3(335)		P, A	A	A	A, B	B	
4.7(475)	A	P, A	A	A, B	B	B	C
6.8(685)	A	A	A, B	B	B	B, C	C
10(106)	A	P, A, B	A, B	B	B, C	C	D
15(156)	A, B	B	B	B, C	C	D	D
22(226)	A, B	B	B, C	B, C	D	D	
33(336)	B	B, C	B, C	C, D	D		
47(476)	B, C	B, C	C, D	D			
68(686)	C	D	D				
100(107)	D	C, D	D				
150(157)							
220(227)		D					

■ Standard Range
■ Extended Range
■ Development Range

* Contact factory for availability

How to Order:

TC SCS 0J 106 M A A R

- **Tantalum Capacitor**
- **Series**
- **Voltage**
- **Capacitance in Picofarads**
- **Capacitance Tolerance**
  K=±10%, M=±20%
- **Case Size**
  P, A, B, C, D
- **Reel**
  A=7 inches, C=13 inches
- **Taping Direction**

SCS Ratings & Part Number Reference

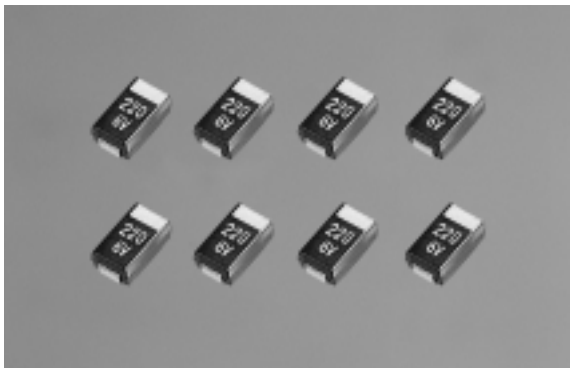
Part No.	Case Size	Capacitance (μF)	DCL(μA) Max.	DF(%) Max.
4 volt @ 85℃(2.5 volt @ 125℃)				
TCSCS0G475*AAR	A	4.7	0.5	8
TCSCS0G685*AAR	A	6.8	0.5	8
TCSCS0G106*AAR	A	10.0	0.5	8
TCSCS0G156*AAR	A	15.0	0.6	8
TCSCS0G156*BAR	B	15.0	0.6	8
TCSCS0G226*BAR	B	22.0	0.9	8
TCSCS0G336*BAR	B	33.0	1.3	8
TCSCS0G476*CAR	C	47.0	1.9	8
TCSCS0G686*CAR	C	68.0	2.7	8
TCSCS0G107*DAR	D	100.0	4.0	8
6.3 volt @ 85℃(4 volt @ 125℃)				
TCSCS0J335*AAR	A	3.3	0.5	8
TCSCS0J475*AAR	A	4.7	0.5	8
TCSCS0J685*AAR	A	6.8	0.5	8
TCSCS0J106*AAR	A	10.0	0.6	8
TCSCS0J106*BAR	B	10.0	0.6	8
TCSCS0J156*BAR	B	15.0	0.8	8
TCSCS0J226*BAR	B	22.0	1.3	8
TCSCS0J336*BAR	B	33.0	2.0	8
TCSCS0J476*BAR	B	47.0	3.0	8
TCSCS0J336*CAR	C	33.0	2.0	8
TCSCS0J476*CAR	C	47.0	3.0	8
TCSCS0J686*DAR	D	68.0	4.3	8
TCSCS0J107*DAR	D	100.0	6.3	8
10 volt @ 85℃(6.3 volt @ 125℃)				
TCSCS1A225*AAR	A	2.2	0.5	8
TCSCS1A335*AAR	A	3.3	0.5	8
TCSCS1A475*AAR	A	4.7	0.5	8
TCSCS1A685*AAR	A	6.8	0.7	8
TCSCS1A685*BAR	B	6.8	0.7	8
TCSCS1A106*AAR	A	10.0	1.0	8
TCSCS1A106*BAR	B	10.0	1.0	8
TCSCS1A156*BAR	B	15.0	1.5	8
TCSCS1A226*BAR	B	22.0	2.2	8
TCSCS1A226*CAR	C	22.0	2.2	8
TCSCS1A336*CAR	C	33.0	3.3	8
TCSCS1A476*CAR	C	47.0	4.7	8
TCSCS1A476*DAR	D	47.0	4.7	8
TCSCS1A686*DAR	D	68.0	6.8	8
TCSCS1A107*DAR	D	100.0	10.0	8
16 volt @ 85℃(10 volt @ 125℃)				
TCSCS1C155*AAR	A	1.5	0.5	8
TCSCS1C225*AAR	A	2.2	0.5	8
TCSCS1C335*AAR	A	3.3	0.5	8
TCSCS1C475*AAR	A	4.7	0.7	8
TCSCS1C475*BAR	B	4.7	0.7	8
TCSCS1C685*AAR	A	6.8	1.0	8
TCSCS1C685*BAR	B	6.8	1.0	8
TCSCS1C106*BAR	B	10.0	1.6	8
TCSCS1C156*CAR	C	15.0	2.4	8
TCSCS1C226*CAR	C	22.0	3.5	8
TCSCS1C336*DAR	D	33.0	5.3	8
TCSCS1C476*CAR	C	47.0	7.5	8
TCSCS1C476*DAR	D	47.0	7.5	8
20 volt @ 85℃(13 volt @ 125℃)				
TCSCS1D105*AAR	A	1.0	0.5	6
TCSCS1D155*AAR	A	1.5	0.5	8
TCSCS1D225*AAR	A	2.2	0.5	8
TCSCS1D335*AAR	A	3.3	0.7	8
TCSCS1D335*BAR	B	3.3	0.7	8
TCSCS1D475*BAR	B	4.7	1.0	8
TCSCS1D685*BAR	B	6.8	1.4	8
TCSCS1D106*CAR	C	10.0	2.0	8
TCSCS1D156*CAR	C	15.0	3.0	8
TCSCS1D226*DAR	D	22.0	4.4	8
TCSCS1D336*DAR	D	33.0	6.6	8

* Insert K for ±10% tolerance and M for ±20%.

Part No.	Case Size	Capacitance (μF)	DCL(μF) Max.	DF(%) Max.
25 volt @ 85℃(16 volt @ 125℃)				
TCSCS1E684*AAR	A	0.68	0.5	6
TCSCS1E105*AAR	A	1.0	0.5	6
TCSCS1E155*AAR	A	1.5	0.5	8
TCSCS1E225*AAR	A	2.2	0.6	8
TCSCS1E225*BAR	B	2.2	0.6	8
TCSCS1E335*BAR	B	3.3	0.8	8
TCSCS1E475*BAR	B	4.7	1.2	8
TCSCS1E685*CAR	C	6.8	1.7	8
TCSCS1E106*CAR	C	10.0	2.5	8
TCSCS1E156*DAR	D	15.0	3.7	8
TCSCS1E226*DAR	D	22.0	5.5	8
35 volt @ 85℃(22 volt @ 125℃)				
TCSCS1V474*AAR	A	0.47	0.5	6
TCSCS1V684*AAR	A	0.68	0.5	6
TCSCS1V105*AAR	A	1.0	0.5	6
TCSCS1V155*AAR	A	1.5	0.5	8
TCSCS1V155*BAR	B	1.5	0.5	8
TCSCS1V225*BAR	B	2.2	0.7	8
TCSCS1V335*BAR	B	3.3	1.1	8
TCSCS1V475*CAR	C	4.7	1.6	8
TCSCS1V685*CAR	C	6.8	2.3	8
TCSCS1V106*DAR	D	10.0	3.5	8
TCSCS1V156*DAR	D	15.0	5.2	8

* Insert K for ±10% tolerance and M for ±20%.

SCE Series Low ESR



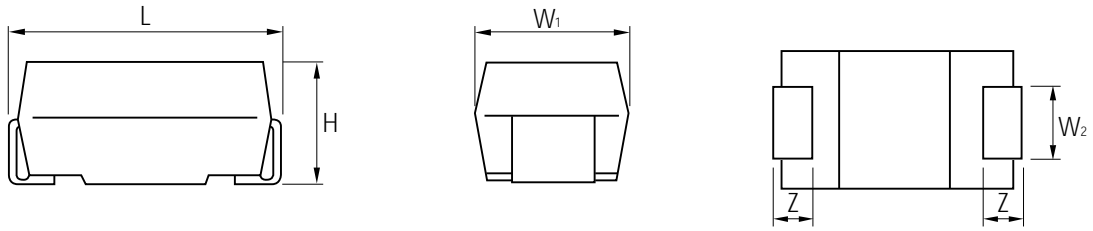
FEATURES

Designed for very low ESR
Molded Case available in four case codes.
Extended Range Values.
Compatible with automatic pick and place equipment.
Meets or Exceeds EIA Standard 53BAAC

PERFORMANCE / ELECTRICAL CHARACTERISTICS

- Operating Temperature: -55℃ to +85℃(To +125℃ with voltage derating)
- Capacitance Range: 0.47㎌ to 220㎌
- Capacitance Tolerance: ±20%, ±10% standard
- Operating Voltage: 4WVDC to 35WVDC
- Compliant Terminations: 90/10 SnPb finish

Case Dimensions



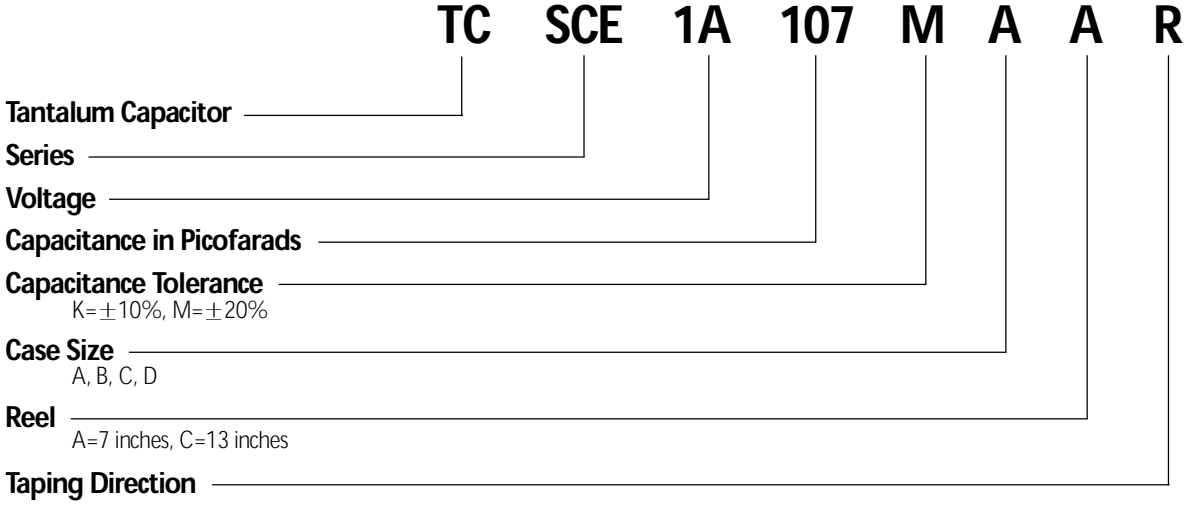
Unit : mm(inch)

Case Code	L	W_1	W_2	H	Z
A	3.2±0.2 (0.126±0.008)	1.6±0.2 (0.063±0.008)	1.2±0.1 (0.047±0.004)	1.6±0.2 (0.063±0.008)	0.8±0.3 (0.031±0.012)
B	3.5±0.2 (0.138±0.008)	2.8±0.2 (0.110±0.008)	2.2±0.1 (0.087±0.004)	1.9±0.2 (0.075±0.008)	0.8±0.3 (0.031±0.012)
C	6.0±0.3 (0.236±0.012)	3.2±0.3 (0.126±0.012)	2.2±0.1 (0.087±0.004)	2.5±0.3 (0.098±0.012)	1.3±0.3 (0.051±0.012)
D	7.3±0.3 (0.028±0.012)	4.3±0.3 (0.169±0.012)	2.4±0.1 (0.094±0.004)	2.8±0.3 (0.110±0.012)	1.3±0.3 (0.051±0.012)

Case Size and Rating Voltage

	4(0G)	6.3(0J)	10(1A)	16(1C)	20(1D)	25(1E)	35(1V)
0.47(474)						A	
0.68(684)					A	A	
1.0(105)				A	A	A	
1.5(155)				A	A		
2.2(225)		A	A	A	A		B C
3.3(335)		A	A	A B		B	C
4.7(475)		A	A B	A B	B C		C D
6.8(685)	A	A B	A B	B C	B C		D
10(106)	A	A B	A B C	B C	C	C D	D
15(156)	A	B	B C		C D	D	
22(226)	B	B C	C	C D	D	D	
33(336)	C		D	D	D		
47(476)		C D	D	D			
68(686)		D	D				
100(107)		D	D				
150(157)							
220(227)		D					

How to Order:



SCE Ratings & Part Number Reference

Part No.	Case Size	Capacitance (μF)	DCL(μA) Max.	DF(%) 120Hz Max.	ESR(Ω) 100KHz Max.
4 volt @ 85℃(2.5 volt @ 125℃)					
TCSCE0G685*AAR	A	6.8	0.5	8	3.0
TCSCE0G106*AAR	A	10.0	0.5	8	2.0
TCSCE0G156*AAR	A	15.0	0.6	8	1.5
TCSCE0G226*BAR	B	22.0	0.9	8	0.6
TCSCE0G336*CAR	C	33.0	1.3	8	0.5
6.3 volt @ 85℃(4 volt @ 125℃)					
TCSCE0J225*AAR	A	2.2	0.5	8	6.0
TCSCE0J335*AAR	A	3.3	0.5	8	6.0
TCSCE0J475*AAR	A	4.7	0.5	8	3.5
TCSCE0J685*AAR	A	6.8	0.5	8	2.0
TCSCE0J685*BAR	B	6.8	0.5	8	1.2
TCSCE0J106*AAR	A	10.0	0.6	8	2.0
TCSCE0J106*BAR	B	10.0	0.6	8	1.5
TCSCE0J156*BAR	B	15.0	0.8	8	1.0
TCSCE0J226*BAR	B	22.0	1.3	8	0.8
TCSCE0J226*CAR	C	22.0	1.3	8	0.5
TCSCE0J476*CAR	C	47.0	3.0	8	0.4
TCSCE0J476*DAR	D	47.0	3.0	8	0.22
TCSCE0J686*DAR	D	68.0	4.3	8	0.2
TCSCE0J107*DAR	D	100.0	6.3	8	0.2
TCSCE0J227*DAR	D	220.0	13.9	8	0.15
10 volt @ 85℃(6.3 volt @ 125℃)					
TCSCE1A225*AAR	A	2.2	0.5	8	6.0
TCSCE1A335*AAR	A	3.3	0.5	8	4.0
TCSCE1A475*AAR	A	4.7	0.5	8	3.0
TCSCE1A475*BAR	B	4.7	0.7	8	1.5
TCSCE1A685*AAR	A	6.8	0.7	8	3.0
TCSCE1A685*BAR	B	6.8	0.7	8	1.2
TCSCE1A106*AAR	A	10.0	1.0	8	2.0
TCSCE1A106*BAR	B	10.0	1.0	8	1.0
TCSCE1A106*CAR	C	10.0	1.0	8	0.8
TCSCE1A156*BAR	B	15.0	1.5	8	0.7
TCSCE1A156*CAR	C	15.0	1.5	8	0.5
TCSCE1A226*CAR	C	22.0	2.2	8	0.4
TCSCE1A336*DAR	D	33.0	3.3	8	0.25
TCSCE1A476*DAR	D	47.0	4.7	8	0.22
TCSCE1A686*DAR	D	68.0	6.8	8	0.2
TCSCE1A107*DAR	D	100.0	10.0	8	0.15
16 volt @ 85℃(10 volt @ 125℃)					
TCSCE1C105*AAR	A	1.0	0.5	4	6.0
TCSCE1C155*AAR	A	1.5	0.5	8	6.0
TCSCE1C225*AAR	A	2.2	0.5	8	4.0
TCSCE1C335*AAR	A	3.3	0.5	8	4.0
TCSCE1C335*BAR	B	3.3	0.5	8	2.0
TCSCE1C475*AAR	A	4.7	0.7	8	3.0
TCSCE1C475*BAR	B	4.7	0.7	8	1.5
TCSCE1C685*BAR	B	6.8	1.0	8	1.2
TCSCE1C685*CAR	C	6.8	1.0	8	0.8
TCSCE1C106*BAR	B	10.0	1.6	8	1.0
TCSCE1C106*CAR	C	10.0	1.6	8	0.6
TCSCE1C226*CAR	C	22.0	3.5	8	0.4
TCSCE1C226*DAR	D	22.0	3.5	8	0.3
TCSCE1C336*DAR	D	33.0	5.3	8	0.3
TCSCE1C476*DAR	D	47.0	7.5	8	0.2
20 volt @ 85℃(13 volt @ 125℃)					
TCSCE1D684*AAR	A	0.68	0.5	4	8.0
TCSCE1D105*AAR	A	1.0	0.5	8	5.5
TCSCE1D155*AAR	A	1.5	0.5	8	4.5
TCSCE1D225*AAR	A	2.2	0.5	8	4.0
TCSCE1D475*BAR	B	4.7	1.0	8	1.5
TCSCE1D475*CAR	C	4.7	1.0	8	0.6
TCSCE1D685*BAR	B	6.8	1.4	8	1.5
TCSCE1D685*CAR	C	6.8	1.4	8	0.6
TCSCE1D106*CAR	C	10.0	2.0	8	0.5
TCSCE1D156*CAR	C	15.0	3.0	8	0.4
TCSCE1D156*DAR	D	15.0	3.0	8	0.4
TCSCE1D226*DAR	D	22.0	4.4	8	0.3
TCSCE1D336*DAR	D	33.0	6.6	8	0.3

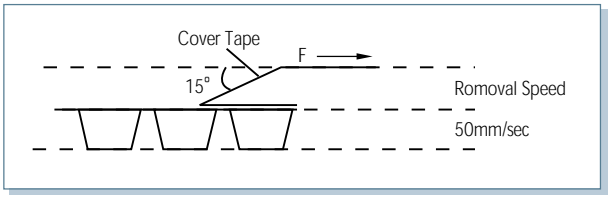
Part No.	Case Size	Capacitance (μF)	DCL(μA) Max.	DF(%) 120Hz Max.	ESR(Ω) 100KHz Max.
25 volt @ 85℃(16 volt @ 125℃)					
TCSCS1E474*AAR	A	0.47	0.5	4	9.0
TCSCS1E684*AAR	A	0.68	0.5	6	6.0
TCSCS1E105*AAR	A	1.0	0.5	8	4.0
TCSCS1E335*AAR	B	3.3	0.8	8	2.0
TCSCS1E475*BAR	C	4.7	1.2	8	0.6
TCSCS1E106*BAR	C	10.0	2.5	8	0.6
TCSCS1E106*BAR	D	10.0	2.5	8	0.4
TCSCS1E156*CAR	D	15.0	3.7	8	0.4
TCSCS1E226*CAR	D	22.0	5.5	8	0.3
35 volt @ 85℃(22 volt @ 125℃)					
TCSCS1V225*BAR	B	2.2	0.7	8	2.5
TCSCS1V335*CAR	C	3.3	1.1	8	0.8
TCSCS1V475*CAR	C	4.7	1.6	8	1.0
TCSCS1V475*DAR	D	4.7	1.6	8	1.0
TCSCS1V685*DAR	D	6.8	2.3	8	0.5
TCSCS1V106*DAR	D	10.0	3.5	8	0.4

* Insert K for ±10% tolerance and M for ±20%.

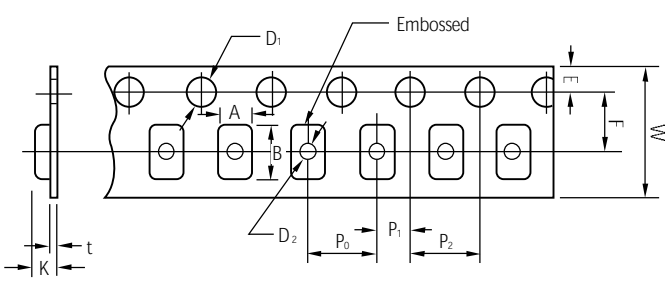
PACKAGING INFORMATION

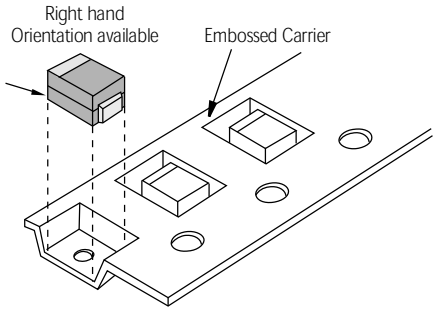
SAMSUNG' s Molded Tantalum Chip Capacitors are packaged in 8mm and 12mm plastic tape on 7" and 13" reels, in accordance with EIA Standard.

The tension of removing the cover tape : F=10 ~70g



CARRIER TAPE DIMENSION

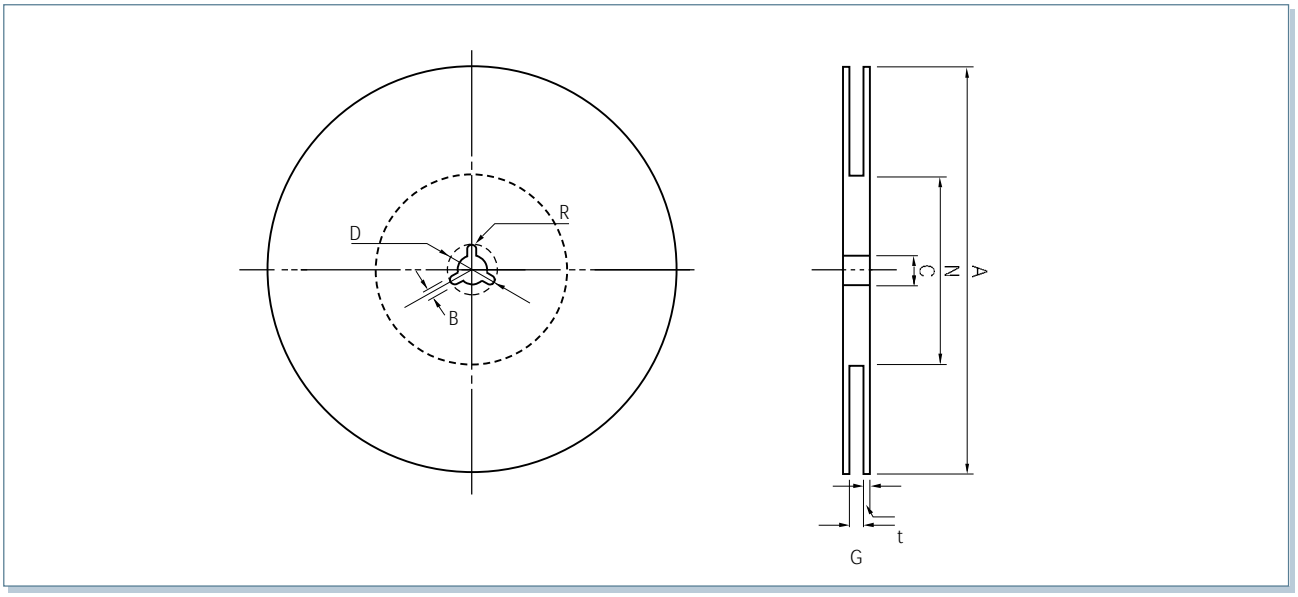




Unit : mm(inch)

Case Code	W±0.3 (±0.012)	F±0.1 (±0.004)	E±0.1 (±0.004)	P0±0.1 (±0.004)	P1±0.1 (±0.004)	P2±0.1 (±0.004)	D1+0.1 (+0.004)	D2Min.	t	A±0.2 (±0.008)	B±0.2 (±0.008)	K±0.2 (±0.008)
P	8 (0.315)	3.5 (0.138)	1.75 (0.069)	4 (0.157)	2 (0.079)	4 (0.157)	Ø1.5 (0.059)	Ø1.0 (0.039)	0.2 (0.008)	1.4 (0.055)	2.3 (0.091)	1.4 (0.055)
A										1.9 (0.075)	3.5 (0.138)	1.9 (0.075)
B									0.3 (0.012)	3.3 (0.130)	3.8 (0.150)	2.1 (0.083)
C	12 (0.472)	5.5 (0.217)		8 (0.315)				Ø1.5 (0.059)	0.3 (0.012)	3.7 (0.146)	6.4 (0.252)	3.0 (0.118)
D										4.8 (0.189)	7.7 (0.303)	3.3 (0.130)

REEL DIMENSION



Unit : mm(inch)

Tape Width	A±2 (±0.079)	N Min.	C±0.5 (±0.020)	D±0.5 (±0.020)	B±0.51 (±0.020)	G^{+2}_{-1} (+0.079 −0.039)	t±0.5 (±0.020)	R
8mm	Ø178 (7)	Ø50 (1.969)	Ø13 (0.512)	Ø21 (0.827)	2 (0.079)	10 (0.394)	2 (0.079)	0.99 (0.039)
12mm						14 (0.551)		
8mm	Ø330 (13)	Ø80 (3.150)	Ø13 (0.512)	Ø21 (0.827)	2 (0.079)	10 (0.394)	2 (0.079)	0.99 (0.039)
12mm						14 (0.551)		

Quantity per Reel

Case Code	Dia. 178mm	Dia. 330mm
P	3,000 pieces / Reel	
A, B	2,000 pieces / Reel	8,000 pieces / Reel
C, D	500 pieces / Reel	2,500 pieces / Reel