SCS Chip Tantalum Capacitor

Semec

RoHS

Featurs

Small sizes available with high reliability
Meet standard of EIA-535BAAC-A
Ideal for automatic pick and equipment

semectech.com

Specifications

Operating temperature	-55℃ to +125℃
Rated Voltage	DC 4V, 6.3V, 10V, 16V,20V, 25V,35V, 50V
Capacitance Range	0.1uF to 470uF
Capacitance Tolerance	±10%,±20%
Leakage current	I0≤0.01CRVR or 0.5uA (take the greater one) at +25℃

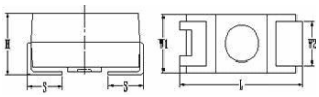
Temperature characteristics

Capacitance change			Dissipasion factor (max)				leakage current (max)	
-55℃	+85℃	+125℃	-55℃	+20℃	+85℃	+125℃	+85℃	+125℃
-10	10	12	6	4	6	6	$10I_0$	$12I_0$
			10	6	10	10		
			12	8	12	12		

Dimension

unit:mm

Case size	L±0.2	W1±0.2	H±0.2	S±0.2	W2±0.1
S	2.0±0.2	1.20±0.2	1.20±0.2	0.5±0.3	1.2±0.1
A	3.2±0.2	1.6±0.2	1.6±0.2	0.8±0.3	1.2±0.1
B	3.5±0.2	2.8±0.2	1.9±0.2	0.8±0.3	2.2±0.1
C	6.0±0.3	3.2±0.3	2.5±0.3	1.3±0.3	2.2(±0.1
D	7.3±0.3	4.3±0.3	2.8±0.3	1.3±0.3	2.4±0.1
E	7.3±0.3	4.3±0.3	4.0±0.3	1.3±0.3	2.4±0.1



Size table

Rated Vol(V)	4	6.3	10	16	20	25	35	50
Vol Derating (V)	2.5	4	6.3	10	13	16	23	33
Surge vol (85'C)	5	8	13	20	26	32	46	65
Surge vol (	3.4	5	9	12	16	20	26	38
Capacitance	Case size							
0.1					S		A	A
0.15					S		A	B/A
0.22					S		A	B
0.33					S		A	B
0.47				S	S	A	B/A	C
0.68			S	S	A/S	A	B	C
1		A/S	A/S	A/S	A	B/A	B	C
1.5	S	A/S	A/S	A/S	B/A	B	C/B	D/C
2.2	S	A/S	A/S	B/A	B/A	B	C	D
3.3	A/S	A/S	B/A	B/A	C/B	C	D/C	D
4.7	A/S	B/A	B/A	B/A	D/C	C	D/C	E
6.8	B/A	B/A	B/A	C/B	D/C	D/C	D	
10	B/A	B/A	B/A	C/B	D	D/C	D	
15	B/A	C/B	C/B	C	D	D	E	
22	C/B	C/B	C/B	D/C	D	D	E	
33	C/B	D/C	D/C	D/C	D	E		
47	D/C	D/C	D/C	D/C	E/D			
68	D/C	D/C	D	D	E			
100	D/C	D/C	D	D				
150	D/C	D	E	E				
220	D	E	E	E				
330	E	E	E					
470	E							

*** The spec is subject to change without notice. Please contact us if any further queries.**