

Series CTS (SCA)

**Metal Case Tantalum Capacitors
Axial Type Solid Electrolytic**



FEatures:

- Solid electrolytic.
- Polar type.
- Hermetically sealed metal cases.
- Axial leads.
- General purpose-extended range.



SPECIFICATION:

Item	Performance Characteristics																			
Operating Temperature Range	-55 to + 125°C																			
Rated Working Voltage Range	6.3 to 35 V DC																			
Nominal Capacitance Range	1.0 to 330 µF																			
Capacitance Tolerance	±20% (120Hz, +20°C) ± 10%																			
Leakage Current	Not more than 0.01CV [µA] or 0.5µA whichever is greater																			
tan δ (120Hz, +20°C)	0.04 max. for ≤ 4.7µF																			
	0.06 max. for 6.8~68µF																			
	0.08 max. for 100~330 µF																			
Characteristics at High and Low Temperature	-55°C	Capacitance change	±10% of initial measured value at +20°C																	
	+125°C	Leakage current	≤ 0.1 CV or 5 [µF] whichever is greater																	
	+125°C	Capacitance change	±15% of initial measured value at +20°C																	
Moisture Resistance	Test conditions Relative humidity : 90 to 95% without load Ambient temperature : +60°C Duration : 1000 hours Post test requirements at + 20°C Leakage current : ≤ 0.1 CV or 5[µA], whichever is greater Capacitance change : ± 10% of initial measured value tan δ : ≤ 200% of initial specified value																			
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Working voltage [V] DC	6.3	10	16	25	35															
Derating voltage [V] DC	4	6.3	10	16	22															
Endurance	Post test requirements at +20°C Leakage current : ≤ 125% of initial specified value Capacitance change : ± 10% of initial measured value tan δ : ≤ Initial specified value Impedance : ≤ 200% of initial specified value																			
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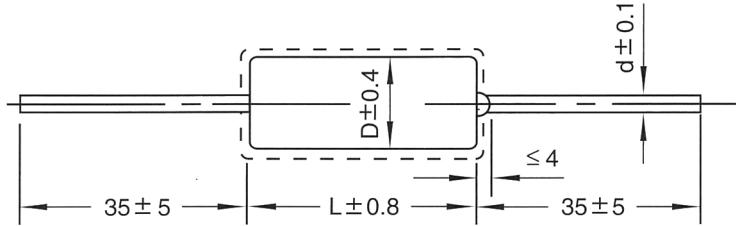
Series CTS (SCA)

Metal Case Tantalum Capacitors
Explanation of Part Numbers



<u>C T S</u> Series Code	<u>1 V</u> Rated Voltage	<u>3 3 5</u> Nominal Capacitance	<u>M</u> Capacitance Tolerance	<u>B</u> Case Size	<u>B</u> Packing
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TANTALUM CAPACITOR METAL CASE OUTLINE DRAWING



Dimensions Millimeters mm

Case Size	A	B	C	D
D x L	3.2 x 8	5 x 12	6 x 14	8 x 14
d ± 0.1	0.4	0.6	0.6	0.8

Rated Voltage, Capacitance of Capacitors.

Rated Voltage (V)	6.3	10	16	25	35
Code	0J	1A	1C	1E	1V
Capacitance (μ F)	Case Size				
1.0 (105)					A
1.5 (155)					A
2.2 (225)				A	A
3.3 (335)				A	B
4.7 (475)			A	B	B
6.8 (685)			A	B	B
10 (106)		A	B	B	B
15 (156)		B	B	B	C
22 (226)		B	B	B	C
33 (336)		B	B	C	
47 (476)	B	B	B	C	
68 (686)	B	B	C	D	
100 (107)	B	C	C	D	
150 (157)	C	C	D		
220 (227)	C	D			
330 (337)	D				