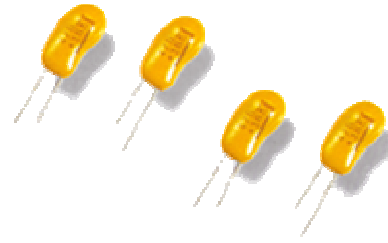


Tantalum Capacitor - Dipped

Resin Coated, Inflammable & Moisture
Resistant Epoxy Powder TS-19



Description:

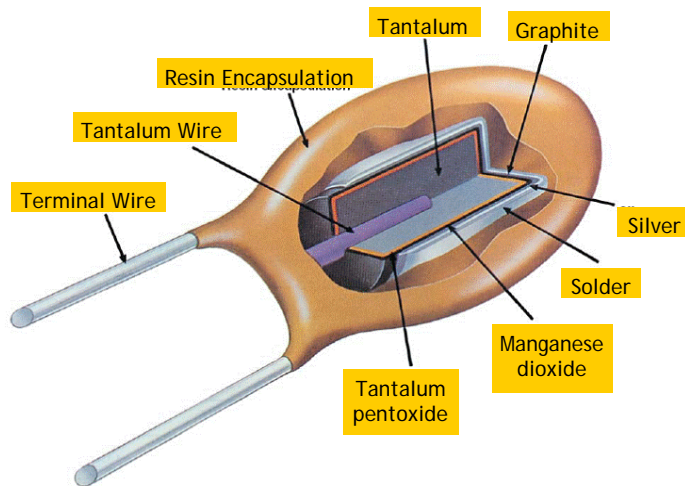
Epoxy - coated solid electrolyte tantalum capacitors are encapsulated with flame - retardant yellow epoxy powder, marked with laser. It meets and exceeds the requirements of IEC Specification 384 -15-3, IECQ Specification QC300201/US0003 and Technical Specification SJ/T10856-96.

Applications:

Used in military and civil applications:

- ◆ Camcorders & Computers
- ◆ Instruments & Meters
- ◆ Program controlled electronic telephone switching systems
- ◆ Telephones & TV sets

Outline Drawings:



Specifications:

- ◆ Capacitance Range: 0.047 μ F ~680 μ F
- ◆ Capacitance Tolerance: \pm 20%; \pm 10%; \pm 5%; (for special order)
- ◆ Case Sizes and Dimensions: See table 2
- ◆ DC Leakage At 20°C: $10 \leq 0.01$ CRVR or 0.5 μ A
- ◆ Dissipation Factor At 20°C: See table 3
- ◆ Operating Temperature Range: -55°C to + 125°
>85°C with rated voltage derating
- ◆ Rated Voltage: See table 1
- ◆ Temperature Characteristics: See table 3

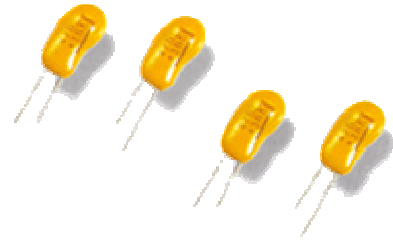
S.C.R. ELECTRONICS COMPONENTS

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Tantalum Capacitor - Dipped

Resin Coated, Inflammable & Moisture

Resistant Epoxy Powder TS-19



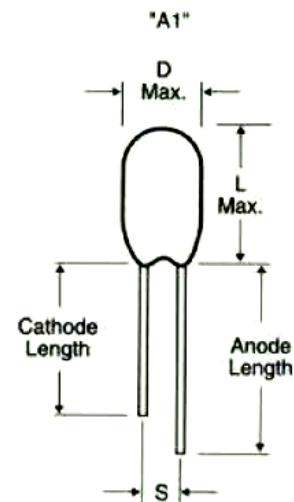
Rated Voltage, Nominal Capacitance and Case Sizes: Table 1

Rated Voltage (V)	3	4	6.3	10	16	20	25	35	50
Voltage Derating (V)	2	2.5	4	6.3	10	13	16	20	32
Surge Voltage (V) +85	4	5.2	8	13	20	26	33	46	65
Capacitance	Case Size								
0.047								A	A
0.068								A	A
0.1								A	A
0.15								A	A
0.22								A	A
0.33								A	A
0.47								A	A
0.68								A	A
1.0					A	A	A	A	B
1.5					A	A	A	A	C
2.2				A	A	A	A	B	C
3.3			A	A	A	B	B	B	D
4.7	A	A	A	A	B	B	B	C	D
6.8	A	A	A	B	B	C	C	D	E
10	A	A	B	B	B	C	C	D	E
15	A	A	B	C	C	D	D	E	F
22	B	B	C	C	C	D	D	E	F
33	B	B	C	D	D	E	E	F	
47	C	C	D	D	D	E	E	F	
68	D	D	D	D	E	F	F		
100	D	D	E	E	E	F	F		
150	D	E	E	E	F				
220	E	E	E	F					
330	E	F	F						
470	F								
680	F								



Dimensions (mm): Table 2

Case Size	D (max)	L (max)	S (±0.5mm)	d (±0.5mm)
A	4.5	7.0	2.5	0.5
B	5.0	8.0	2.5	0.5
C	5.5	9.5	2.5	0.5
D	6.5	11.0	2.5	0.5
E	8.5	13.0	5.0	0.5
F	9.5	16.5	5.0	0.5



Temperature Characteristics: Table 3

Capacitance (µF)	Cap. Change (%)			DF Max. (%)				DCL Max. (µF)		
	-55°C	+85°C	+125°C	-55°C	+20°C	+85°C	+125°C	+20°C	+85°C	+125°C
<1.0	-10	+15	+25	6	4	6	6	Lo ≤ 0.02 CrUr or IaF whichever is greater	+10lo	+12.5le
1.5 - 6.8				8	6	8	8			
10 - 68				10	8	10	10			
100 - 680				12	10	12	12			

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