

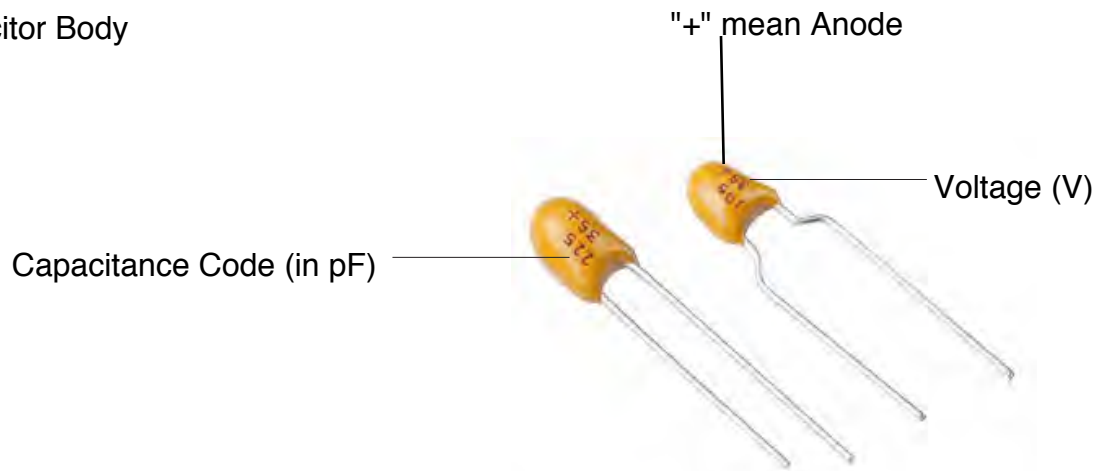


# CTL Series Dipped Tantalum Capacitors (Radial Tantalum Capacitor)

## Brief Introduction

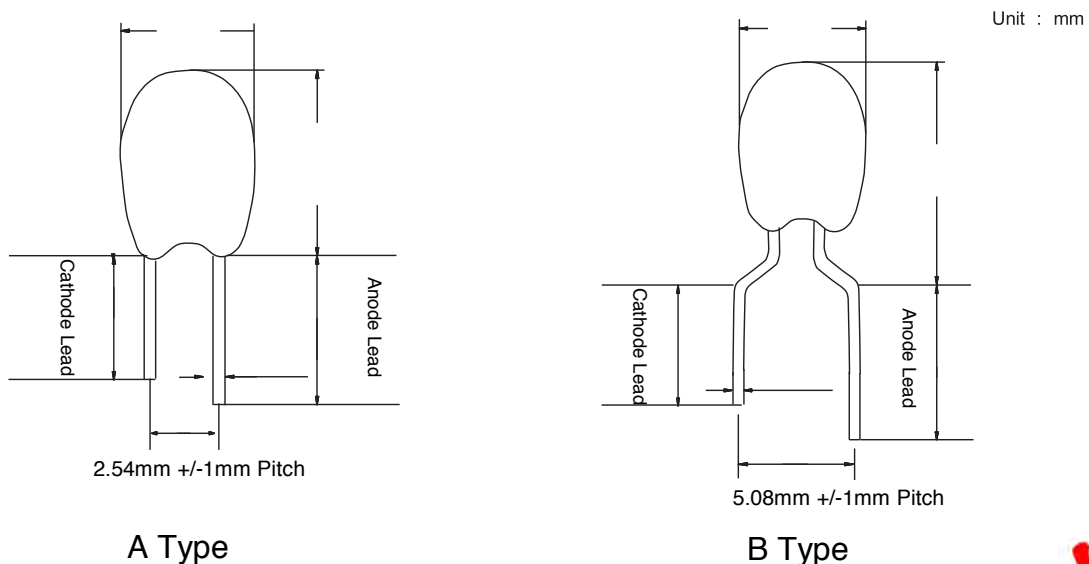
- Epoxy-Coated B Radial lead B Heteropolarity
- Stable in electrical & storage performances , Small in size B Light in Weight B Easy for installation
- Applying in TV sets B Telephones , Instruments and Meters B such Electrical Equipments with DC& Impulse Circuit;
- Operative Standard: GB7215-87
- How to order, please refer to part number system

## Marking on Capacitor Body



## Features

- 13•Operating Temperature Range : -55°C~+125°C;>85°C ( with rated voltage derating # ;
- DC Leakage at 25°C :  $> \frac{1}{10} (0.01CU \text{ or } 0.5\mu A)$  (Choose the greater one);
  - Capacitance Range : 0.1 $\mu$ F~1000 $\mu$ F;
  - Voltage Range: 4V, 6.3V, 10V, 16V, 25V, 35V, 40V, 50V
  - Capacitance Tolerance : 3 :  $\pm 10\%$  6 7 :  $\pm 20\%$  (Standard Tolerance is +/-20%)
  - Dimension: Refer to Figures and Table 1
  - Package Type: Bulk; Ammo Taped Package





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Table 1 Electrical Characteristics

Rated Voltage			O	6.3	10	16	25	35	40	50	
Voltage Derating (V)			2.5	O	6.3	10	16	20	25	32	
Surge Voltage (V) +85°C			5	8	13	20	32	46	50	65	
Dimensions(mm)			Net Weight Max ( g )	Nominal Capacitance C(μF) R							
\$LM	d	g		O*K	2.2	1.5	0.68	0.33	0.1	0.1	0.1
( - # 4.4x6.5	0.5	2.54	0.8	6.8	3.3	2.2	1	)*OK	0.22	0.15	0.15
				10	O*K	3.3	1.5	0.68	0.33	0.22	0.22
				15	6.8	6.8	2.2	1	)*OK	0.33	0.33
				22	10	10	3.3	1.5	0.68	0.47	0.47
				33	15	15	O*K	2.2	1	0.68	
					22		6.8	3.3	1.5		
							10				
( J # 5x7.5	0.5	2.54	1.5	OK	33	22	15	O*K	2.2	1	0.68
				68	OK	33	22	6.8	3.3	1.5	1
								10	O*K	2.2	1.5
( % # 5.5x9	0.5	2.54	2	100	68	OK	33	15	6.8	3.3	2.2
				150	100	68	OK	22	10	O*K	3.3
( \$ # 6.3x10.5	0.5	2.54	2.5			100					
				220	150	150	68	33	15	6.8	O*K
				330	220		100	OK	22	10	6.8
( D # 7.2x12	0.5	2.54	3	OK)	330	220	150	68	33	15	10
				680	OK)	330	220	100	OK	22	15
( F # 8.5x13	0.5	5.08	5	1000	680	OK)	330	150	68	33	22
					820	680	OK)			OK	33

Table 2 Temperature Characteristics

Nominal Capacitance %, 20	MAX DF(%)				MAX DCL ( , - #	
	-55°C	25°C	85°C	125°C	85°C	125°C
0.1~1.0	P	O	P		8I <sub>1</sub>	10I <sub>1</sub>
1.5 U 6.8	8	P	8			
10 U 68	10	8	10			
100~330	12	10	12			
470~680	14	12	14			
V 680	16	14	16			

### Important Note

1 Please do not use multimeter to test tantalum capacitors

2 Capacitance and DF measured at :100Hz B + W =2.2° .10 F B U~1.0° .0.5 V,  
Frequency=100Hz. Test only applied in series equivalent circuit.

3 Voltage derating is applied at +125°C. ( The DCL parameter should be read after 5minutes when it connected to the circuit # \*