AXIAL LEAD SOLID TANTALUM CAPACITOR

CBDY

Products Name:Axial Leads Solid Eelctrolytic Tantalum Capacitor
Model:CBDY Equative CA series
Value:1uF~1000uF
Votage:6.3V~100V
Size(mm):

1,Brief Introduction:

CBDY Series metal-cased solid tantalum electrolytic capacitors with polar axial leads are characterized in small size, wide operating temperature range, stable performances, high reliability and long life, CBDY Series meets the requirements of Chinese National Standard GB8583-88, widely used in instruments meters and other electronic equipment for military and civil applications.

2, General Characteristics

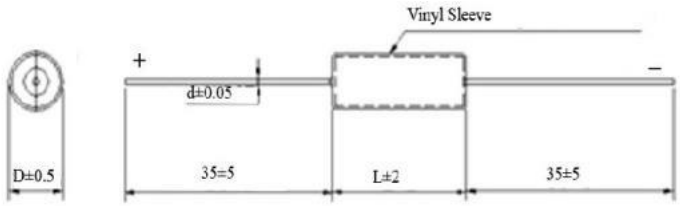
Temperature Range: -55℃~+125℃(>85℃ with rated voltage derating).
Capacitance Tolerance:± 20%,± 10%
DC Leakage:20℃ lO≤0.01CrUr or 0.5uA(whichever greater)
Dissipation factor (20℃): see table 1
Temperature Characteristics: See table 1

Table 1

Capacitance (μF)	Cap. Change△C/C(%)			MAX. DF(%)Max				DCL Max.	
	-55℃	+85℃	+125℃	-55℃	+20℃	+85℃	+125℃	+85℃	+125℃
≤1	±8	±8	±10	3	3	3		8I0	10I0 (1)
1.5~68				5	5	5			
100~330				6	6	6			
470~1000				8	8	8			

Note: (1)Measured at a voltage derating.

3,Drawing ,Dimensions and Max Weight



Outline and Dimensions

Case code	Weight Max(g)	D±0.5(mm)	L±2 (mm)	d±0.1(mm)
1	0.7	3.2	8	0.4
2	2.3	5	12	0.6
3	3.0	6	14	0.6
4	4.0	8	14	0.8
5	8.0	8	22	0.8
6	14.0	10	22	0.8

Note: When encapsulated with plastic insulation sleeve, dimension D increase 0.8mm and L increase 2mm.

4,Nominal Capacitance, Rated voltage, Voltage Derating

Rated voltage	6.3	10	16	25	32	40	63	75	100
Voltage Derating	4	6.3	10	16	20	25	40	50	63
Code	Capacitance (μF)								
1	1.0	0.68	0.33	0.33	0.22	0.22	0.22	0.22	0.047
	1.5	1.0	0.47	0.47	0.33	0.33	0.33	0.33	0.068
	2.2	1.5	0.68	0.68	0.47	0.47	0.47		0.1
	3.3	2.2	1.0	1.0	0.68	0.68			0.15
	4.7	3.3	1.5	1.5	1.0	1.0			0.22
	6.8	4.7	2.2	2.2	1.5				0.33
	10	6.8	3.3						
2	15	10	4.7	3.3	2.2	1.5	0.68	0.47	
	22	15	6.8	4.7	3.3	2.2	1.0	0.68	0.47
	33	22	10	6.8	4.7	3.3	1.5	1.0	0.68
	47	33	15	10	6.8	4.7	2.2	1.5	1.0
		47	22	15	10	6.8	3.3	2.2	1.5
	68		33					3.3	
3		68	47	22	15	10	4.7	4.7	
	100	100	68	33		15			
4	150	50	100	47	22	22	6.8		2.2
	220			68	33	33	10		3.3
5	330	220	150	100	47	47	15		
	470	330	220		68		22		
6	680	470	330	150	100	68	33		
	1000	680	470	220	150	100	47		

5,PART NUMBER EXAMPLE