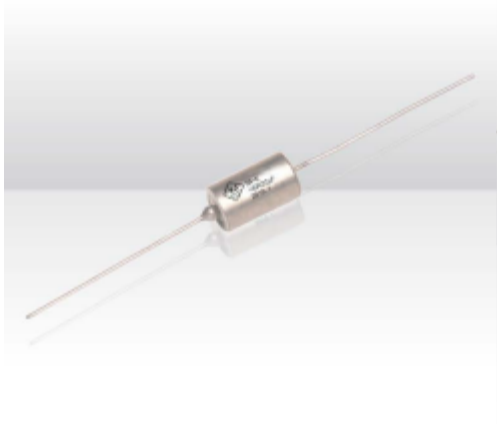


CA Series

Hermitically sealed solid tantalum capacitor

Features

- Metal case encapsulation, Hermitically-sealed, Tubular, Axial-lead, With Insulation Sleeve, With Insulation Sleeve, Heteropolarity;
- Stable in Electrical Characteristics, High reliability, Good Storage Stability Long life-span, Low DF&DCL;
- Applying in Aerospace Plane, Space Navigation, Satellites, Missiles, Sea(Land) Cables, Telecommunications, such Electrical Equipments with DC& Impulse Circuit for Military and Civil use;
- Operative Standard: QJ/PWV143-2002
- Ordering Information: CA-40V47μF-K:100 pcs;



Technical Specifications

Technical Data	All technical data relate to an ambient temperature of +25℃
Temperature Range	-55C° ~ +125C°
Capacitance Tolerance	K : ±10% ; M : ±20%
Dimensions and Max Weight	See Figure 1 and Table 1
DC Leakage	$I_o \leq 0.01C_R U_R$ (μA) or 0.5μA (which is greater) ;
Dissipation Factor(tgδ)	See Table 3
Temperature Characteristics	See Table 2

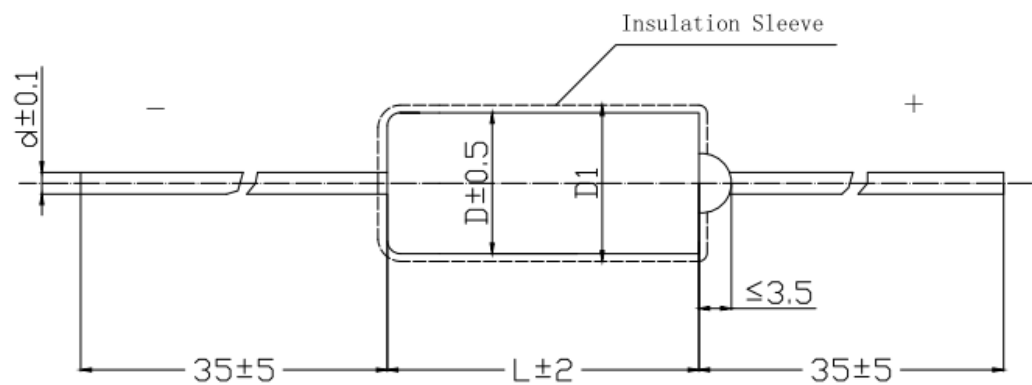


Figure 1

Table 1 Dimensions and Max Weight

Case Code	Max Weight (g)	With No Insulation Sleeve		With Insulation Sleeve		d±0.1 (mm)
		D±0.5 (mm)	L±2 (mm)	D ₁ max (mm)	Lmax (mm)	
1	0.7	3.2	8	4	10	0.4
2	2.3	5	12	5.8	14	0.6
3	3	6	14	6.8	16	0.6
4	4	8	14	8.8	16	0.8
5	8	8	22	8.8	24	0.8
6	14	10	22	10.8	24	0.8

P.S . 1 With thermoplasticity-insulation sleeve, D will be 0.4mm more at most, and L will be 1.6mm more at most.

Table 2 Temperature Characteristics

Capacitance Range	Range of Capacitance (%)			DF(%)				DCL (μ A)	
C _R (μ F)	-55℃	85℃	125℃	-55℃	25℃	85℃	125℃	85℃	125℃
≤1	±8	±8	±12	2	2	3	3	8I ₀	10I ₀
1.5~4.7				3	3	3	3		
6.8~68				5	5	5	5		
100~330				6	6	6	6		
470				8	8	8	8		

Table 3 Rated Voltage ,Category Voltage , and Nominal Capacitance

Rated Voltage U _R (V)	6.3	10	16	25	32	40	63
Category Voltage U _C (V)	4	6.3	10	16	20	25	40
Case Code	Nominal Capacitance C _R (μF)						
1	1	0.68	0.33	0.33	0.22	0.22	0.1
	1.5	1	0.47	0.47	0.33	0.33	0.15
	2.2	1.5	0.68	0.68	0.47	0.47	0.22
	3.3	2.2	1	1	0.68	0.68	0.33
	4.7	3.3	1.5	1.5	1	1	0.47
	6.8	4.7	2.2	2.2	1.5		
	10	6.8	3.3				
2	15	10	4.7	3.3	2.2	1.5	0.68
	22	15	6.8	4.7	3.3	2.2	1
	33	22	10	6.8	4.7	3.3	1.5
	47	33	15	10	6.8	4.7	2.2
	68	47	22	15	10	6.8	3.3
			33				
3	100	68	47	22	15	10	4.7
		100	68	33		15	
4	150	150	100	47	22	22	6.8
	220			68	33	33	10
5	330	220	150	100	47	47	15
	470	330	220		68		22
6				150	100	68	33
						100	47

P.S. : 1.Please do not use multimeter through the measuring procedures.
2.Capacitance and DF measured at :100Hz, U__=2.2°-1.0V, U~=1.0°-0.5V, Frequency=100Hz.Test only applied in series equivalent circuit.
3.Voltage derating is applied at +125C°. (The DCL parameter should be read after 5minutes when it connected to the circuit) .
4.Special size and demand could consult with us.