

Axial Solid Tantalum Capacitor – JTG

FEATURES

- Metal case encapsulation, Hermitically-sealed, Tubular, Axial-lead, With insulation sleeve, Heteropolarity.
- Stable in Electrical Characteristics, High reliability, Good Storage Stability Long life-span, Low DF & DCL.
- Applying in Telecommunications, such Electrical Equipments with DC & impulse Circuit.

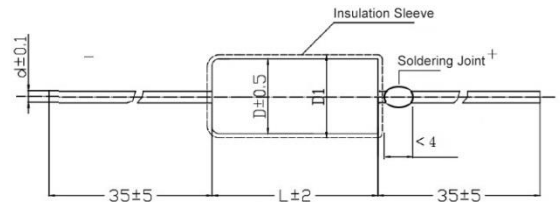
SPECIFICATIONS

Technical Data	All technical data relate to an ambient temperature of +25°C
Capacitance Tolerance	±20%, ±10%,
Temperature Range	-55°C to +125°C
DC Leakage	$I_0 \leq 0.01C_R U_R$ (µA) or 0.5µA (which is greater)



DIMENSIONS

Case Code	Uninsulated		With Insulated Sleeve		d±0.1 (mm)
	D±0.5 (mm)	L±2 (mm)	D1 max (mm)	L max (mm)	
A	3.2	8	4	10	0.4
B	5	12	5.8	14	0.6
C	6	14	6.8	16	0.6
D	8	14	8.8	16	0.8
E	8	22	8.8	24	0.8
F	10	22	10.8	24	0.8



Temperature Characteristics

Capacitance Range C_R (µF)	Range of Capacitance (%)			DF (%)				DCL (µA)	
	-55°C	85°C	125°C	-55°C	25°C	85°C	125°C	85°C	125°C
≤1	±8	±8	±10	3	3	3	3	8I ₀	10I ₀
1.5 ~ 68				5	5	5	5		
100 ~ 330				6	6	6	6		
470 ~ 1000				8	8	8	8		

Rated Voltage, Category Voltage, and Nominal Capacitance

Rated Voltage U_R (V)	6.3	10	16	25	35	40	63	75	100
Category Voltage U_R (V)	4	6.3	10	16	20	25	40	50	63
Case Code	Nominal Capacitance C_R (µF)								
A	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	3.3	1.0	1.0	0.68	0.68	--	--	0.15
	4.7	2.2	1.5	1.5	1.0	1.0	--	--	0.22
	6.8	4.7	2.2	2.2	1.5	--	--	--	0.33
B	10	6.8	3.3	--	--	--	--	--	--
	15	10	4.7	3.3	2.2	1.5	0.68	0.47	0.47
	22	15	6.8	4.7	3.3	2.2	1.0	0.68	0.68
	33	22	10	6.8	4.7	3.3	1.5	1.0	1.0
	47	33	15	10	6.8	4.7	2.2	2.2	1.5
	68	47	22	15	10	6.8	3.3	--	--
C	--	--	33	--	--	--	--	--	--
	100	68	47	22	15	10	4.7	3.3	2.2
D	--	100	68	33	--	15	--	4.7	3.3
	150	150	100	47	22	22	6.8	--	--
E	220	--	--	68	33	33	10	--	--
	330	220	150	100	47	47	15	--	--
F	470	330	220	--	68	--	22	--	--
	680	470	330	150	100	68	33	--	--
	1000	680	470	220	150	100	47	--	--

- Note:**
1. Please do not use multimeter through the measuring procedures.
 2. Capacitance and DF measured at 100Hz, $U_- = 2.20^{0.1} V$, $U_+ = 1.0^{0.5} V$, Frequency=100Hz. Test only applied in series equivalent circuit.
 3. Voltage derating is applied at +125°C. (The DCL parameter should be read after 5 minutes when it connected to the circuit).
 4. Special size and demand could consult with us.

Please visit our website to get more update data, those data & specification are subject to change without notice.