

Kingtronics®

ZKT-01

Axial Wet Tantalum Capacitor

FEATURES

- ◆ Metal case encapsulation, Hermetically-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.

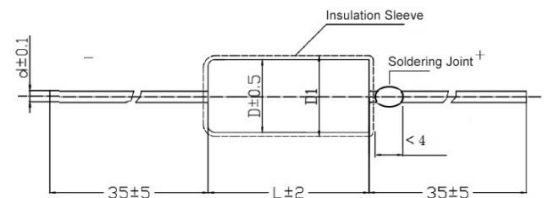


SPECIFICATIONS

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



Capacitance Range C_R (μF)	Temperature Characteristics								DCL (μA)		
	Range of Capacitance (%)			DF (%)							
	-55°C	85°C	125°C	-55°C	25°C	85°C	125°C	85°C	125°C	85°C	125°C
≤1				3	3	3	3				
1.5 ~ 68				5	5	5	5				
100 ~ 330	±8	±8	±12	6	6	6	6	8I ₀		10I ₀	
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	4.7	3.3	2.2	1	0.68	0.47	0.22	0.22	0.1	
	6.8	4.7	3.3	1.5	1	0.68	0.33	0.33	0.15	
	10	6.8	4.7	2.2	1.5	1	0.47	0.47	0.22	
	15	10	6.8	3.3	2.2	1.5	0.68	0.68	0.33	
	22	15	10	4.7	3.3	2.2	1	--	0.47	
B	--	--	--	6.8	--	--	--	--	0.68	
	33	22	15	10	4.7	3.3	1.5	1	1	
	47	33	22	15	6.8	4.7	2.2	1.5	1.5	
	68	47	33	22	10	6.8	3.3	2.2	2.2	
C	100	68	47	33	15	10	4.7	3.3	--	
	150	100	68	47	22	15	6.8	4.7	3.3	
	220	150	100	68	33	22	10	6.8	4.7	
D	330	220	150	100	47	33	15	10	--	
	470	330	220	--	68	47	22	--	--	
E	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, $U_- = 2.20^{0.10}V$, $U_+ = 1.0^{0.05}V$, 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.

Note: Specifications are subject to change without notice

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