

# Kingtronics®

## ZKT-35

### Axial Wet Tantalum Capacitor

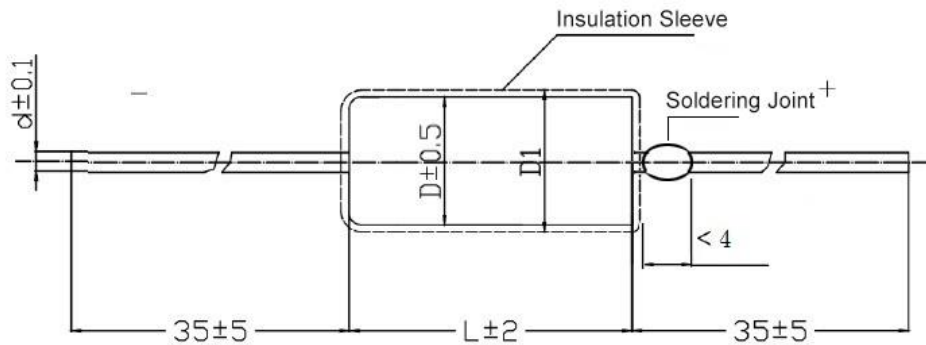
#### FEATURES

- ◆ Silver case encapsulation, Hermitically-sealed, Tubular, Axial-lead, With insulation sleeve, Heteropolarity.
- ◆ Stable in Electrical Characteristics, High reliability, Low DF & DCL.
- ◆ Applying in Telecommunications, such Electrical Equipments with DC & impulse Circuit.



#### SPECIFICATIONS

<b>Technical Data</b>	All technical data relate to an ambient temperature of +25°C
<b>Capacitance Tolerance</b>	±20%, ±10%,
<b>Temperature Range</b>	-55°C to +125°C
<b>DC Leakage</b>	$I_0 \leq 0.008C_R U_R$ (µA) or 1µA (which is greater)



#### DIMENSIONS

Case Code	Uninsulated		With Insulated Sleeve	
	D±0.5 (mm)	L±2 (mm)	D1 max (mm)	L max (mm)
A	5	10	5.8	12
B	5	14	5.8	16
C	6	16	6.8	18
D	8	16	8.8	24
E	8	22	8.8	18
F	10	22	10.8	24
G	10	25	10.8	27

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#### STANDARD RATINGS

Rated Voltage	Category Voltage	Case Code	Cap @100Hz	Max. DF @+25°C ~ +125°C 100Hz	Max. ESR @-55°C 100Hz	Rated Voltage	Category Voltage	Case Code	Cap @100Hz	Max. DF @+25°C ~ +125°C 100Hz	Max. ESR @-55°C 100Hz				
V	V		µF	%	µΩ	V	V		µF	%	µΩ				
6.3	4	A	22	6	130	40	25	A	4.7	4.5	450				
		A	33	8	100			A	6.8	4.5	350				
		A	47	12	80			A	10	4.5	260				
		A	68	15	60			A	15	7	175				
		B	100	15	55			B	22	7	130				
		B	150	20	50			B	33	8	90				
		C	220	25	45			C	47	8	65				
		C	330	30	40			C	68	10	55				
		D	470	40	35			D	100	12	40				
		D	680	45	30			E	150	15	35				
		E	1000	50	25			F	220	20	30				
		F	1200	55	25			G	330	25	25				
		G	1500	70	20			A	2.2	4	1100				
		10	6.3	A	15			6	180	63	40	A	3.3	4.5	700
A	22			6	130	A	4.7	5	500						
A	33			10	110	A	6.8	5	350						
A	47			12	90	B	10	8	260						
B	68			12	75	B	15	8	150						
B	100			12	50	C	22	8	120						
C	150			18	45	C	33	10	85						
C	220			25	40	D	47	10	70						
D	330			30	35	D	68	10	55						
D	470			35	30	E	100	12	50						
E	680			40	25	F	150	15	40						
F	1000			50	20	G	220	20	35						
A	10			5.7	200	G	330	30	22						
A	15			5.7	155	A	1.5	5	1400						
A	22	6	130	A	2.2	5	1100								
A	33	8	90	A	3.3	6	700								
B	47	10	80	A	4.7	6	500								
B	68	16	75	B	6.8	8	350								
C	100	18	60	B	10	10	260								
C	150	18	50	C	15	10	160								
D	220	18	45	C	22	10	110								
D	330	30	40	D	33	12	110								
E	470	35	35	E	47	12	65								
F	680	45	30	F	68	12	50								
16	10	A	10	5.7	200	100	63	G	100	12	40				
		A	15	5.7	155			A	1	6	1800				
		A	22	6	130			A	1.5	6	1400				
		A	33	8	90			A	2.2	6	1100				
		B	47	10	80			A	3.3	6	700				
		B	68	16	75			B	6.8	8	350				
		C	100	18	60			B	10	10	260				
		C	150	18	50			C	15	10	160				
		D	220	18	45			C	22	10	110				
		D	330	30	40			D	33	12	110				
		E	470	35	35			E	47	12	65				
		F	680	45	30			F	68	12	50				
		25	16	A	6.8			4.6	300	125	75	A	1	6	1800
				A	10			4.6	220			A	1.5	6	1400
A	15			6.5	175	A	2.2	6	1100						
A	22			8.3	130	A	3.3	6	700						
B	33			9	100	B	4.7	6	500						
B	47			9	70	B	6.8	8	350						
C	68			9	60	C	10	9	260						
C	100			12	50	C	15	9	160						
D	150			14	45	D	22	9	130						
D	220			15	45	E	33	10	100						
E	330			20	35	F	47	10	70						
F	470			30	30	G	68	10	50						
G	680			45	25										

**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 +85°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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