

Kingtronics®

ZKT-30

Axial Wet Tantalum Capacitor

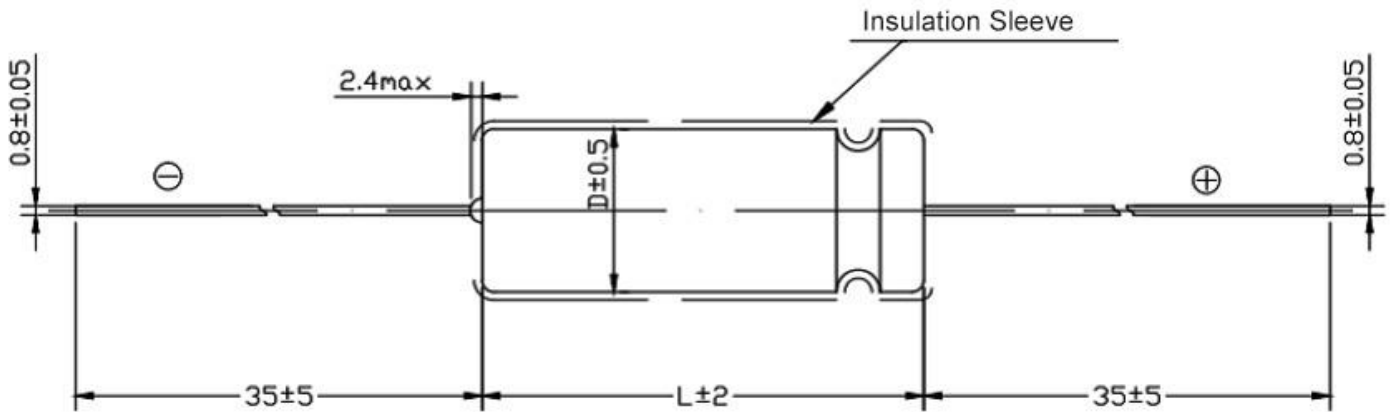
FEATURES

- ◆ Silver case encapsulation, Epoxy end-filled, Tubular, Axial-lead, with insulation sleeve, Heteropolarity.
- ◆ Stable in Electrical Characteristics, High reliability, Long life-span, Low DF & DCL, Small in size for installation..
- ◆ Applying in Telecommunications, Instruments and Meters, 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	$I_o \leq 0.001 C_R U_R$ (µA) or 1µA (which is greater)



Case Code	DIMENSIONS	
	Uninsulated	
	D±0.5 (mm)	L±2 (mm)
A	5	10
B	5	14
C	6	16
D	8	16
E	8	22
F	10	22
G	10	25
H	10	30

P.S: With insulated sleeve, D will be 0.4mm more at most, and L will be 1.6mm more at most.

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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	1.0	6	1800	16 (15)	10	A	6.8	8	350				
		A	1.5	6	1400			A	10	8	260				
		A	2.2	6	1100			A	15	10	180				
		A	3.3	6	700			A	22	10	150				
		A	4.7	6	500			A	33	12	110				
		A	6.8	8	350			A	47	12	90				
		A	10	8	260			A	68	18	80				
		A	15	10	200			A	100	20	70				
		A	22	10	180			B	150	30	60				
		A	33	12	125			B	220	40	55				
		A	47	15	125			C	330	40	45				
		A	68	18	125			D	470	40	40				
		A	100	20	100			E	680	45	35				
		A	150	30	80			F	1000	50	30				
		B	220	40	70			F	1200	50	25				
		B	330	40	60			G	1500	60	20				
		C	470	50	50			A	1.0	6	1800				
		C	680	50	35			A	1.5	6	1400				
		D	1000	60	25			A	2.2	6	1100				
		D	1200	60	25			A	3.3	6	700				
		E	1500	60	20			A	4.7	6	500				
		E	2200	70	200			A	6.8	8	300				
		F	3300	80	15			A	10	8	260				
		10	6.3	A	1.0			6	1800	25	16	A	15	10	175
A	1.5			6	1400	A	22	10	150						
A	2.2			6	1100	A	33	12	110						
A	3.3			6	700	A	47	12	80						
A	4.7			6	500	A	68	20	75						
A	6.8			8	350	B	100	20	70						
A	10			8	250	C	150	25	60						
A	15			10	200	C	220	30	55						
A	22			10	175	D	330	30	45						
A	33			12	125	E	470	40	40						
A	47			15	100	F	680	40	35						
A	68			18	80	G	1000	40	30						
A	100			20	60	G	1200	50	25						
A	150			30	55	H	1500	60	20						
B	220			40	45	A	1.0	6	1800						
B	330			45	40	A	1.5	6	1400						
C	470			50	35	A	2.2	6	1100						
D	680			50	30	A	3.3	6	700						
D	1000			50	25	A	4.7	6	450						
E	1200			60	25	A	6.8	8	350						
F	1500			60	20	A	10	8	260						
F	2200			70	20	A	15	10	175						
16 (15)	10			A	1.0	6	1800	40	25			A	22	12	140
				A	1.5	6	1400					A	33	12	110
		A	2.2	6	1100	B	47			15	80				
		A	3.3	6	700	B	68			15	75				
		A	4.7	6	500	C	100			20	65				

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V	V		μF	%	μΩ	V	V		μF	%	μΩ
40	25	C	150	20	50	75 (70)	50	A	2.2	6	1100
		D	220	25	45			A	3.3	6	700
		E	330	25	35			A	4.7	6	500
		F	470	30	35			B	6.8	8	350
		G	680	40	30			B	10	8	260
		H	1000	45	30			C	15	10	175
		H	1200	50	25			C	22	12	150
		A	1.0	6	1800			D	33	12	110
50	30	A	1.5	6	1400			D	47	15	80
		A	2.2	6	1100			E	68	15	70
		A	3.3	6	700			E	100	20	60
		A	4.7	6	500			F	150	20	50
		A	6.8	8	350			G	220	25	45
		A	10	8	260			H	330	25	35
		A	15	10	175			A	1.0	6	1800
		A	22	12	150			A	1.5	6	1400
		B	33	12	110	A	2.2	6	1100		
		C	47	15	80	A	3.3	6	700		
		C	68	15	75	A	4.7	6	500		
		D	100	20	65	A	6.8	8	350		
		D	150	20	50	A	10	8	260		
		E	220	25	45	B	15	10	175		
		F	330	25	45	C	22	10	150		
		F	470	35	35	C	33	15	100		
G	680	40	30	D	47	15	70				
H	1000	50	30	D	68	15	65				
63	40	A	1.0	6	1800	E	100	20	60		
		A	1.5	6	1400	F	150	20	50		
		A	2.2	6	1100	G	220	20	40		
		A	3.3	6	700	A	0.5	6	4500		
		A	4.7	6	500	A	0.7	6	3000		
		A	6.8	8	350	A	1.0	6	1800		
		A	10	8	260	A	1.5	6	1400		
		A	15	10	175	A	2.2	6	1100		
		B	22	12	140	A	3.3	6	700		
		B	33	12	100	B	4.7	6	500		
		C	47	15	80	B	6.8	8	350		
		C	68	15	65	C	10	10	260		
		D	100	20	60	C	15	10	175		
		E	150	20	50	D	22	15	150		
		E	220	25	45	D	33	15	120		
		F	330	25	35	E	47	15	90		
G	470	40	30	F	68	15	70				
75 (70)	50	A	1.0	6	1800	G	100	15	50		
		A	1.5	6	1400	H	150	20	45		

Note:

1. Please do not use multimeter through the measuring procedures.
2. Capacitance and DF measured at 100Hz, $U_{-}=2.20^{0}_{-1.0}V$, $U_{+}=1.0^{0}_{-0.5}V$, 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.

Note: Specifications are subject to change without notice

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