

Kingtronics®

ZKT-30

Axial Wet Tantalum Capacitor

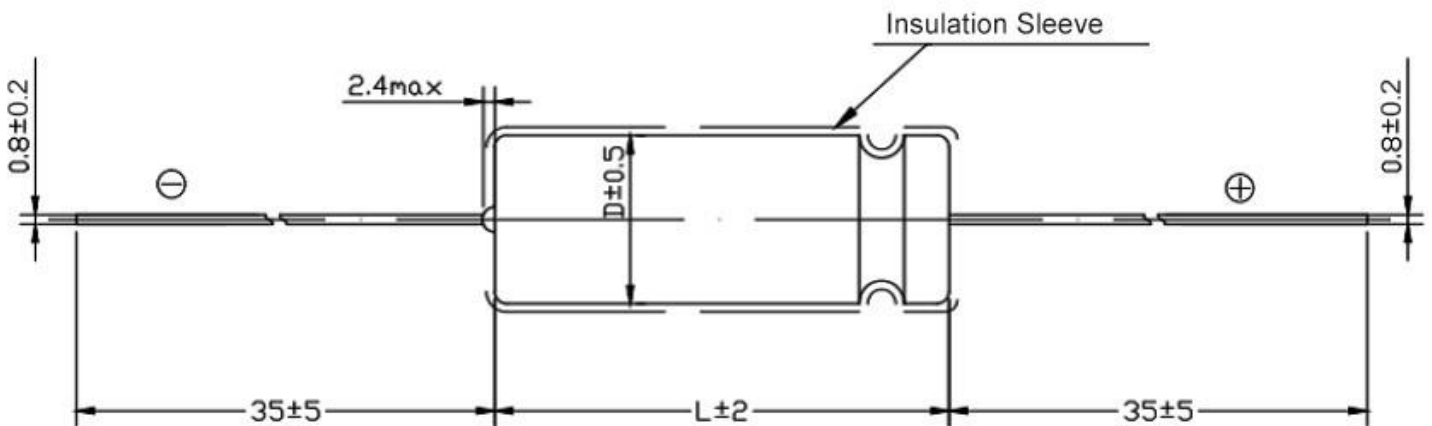
FEATURES

- ◆ 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	$I_o \leq 0.001C_R U_R$ (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
I	10	33

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

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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
40	25	D	150	20	50	75 (70)	50	A	2.2	6	1100
		E	220	25	45			A	3.3	6	700
		F	330	25	35			A	4.7	6	500
		F	350	25	35			B	6.8	8	350
		F	470	30	35			B	10	8	260
		G	680	40	30			C	15	10	175
		H	1000	45	30			C	22	12	150
		I	1200	50	25			D	33	12	110
		A	1.0	6	1800			D	47	15	80
		A	1.5	6	1400			E	68	15	70
50	30	A	2.2	6	1100	E	100	20	60		
		A	3.3	6	700	F	150	20	50		
		A	4.7	6	500	G	220	25	45		
		A	6.8	8	350	H	330	25	35		
		A	10	8	260	A	1.0	6	1800		
		A	15	10	175	A	1.5	6	1400		
		B	22	12	150	A	2.2	6	1100		
		C	33	12	110	A	3.3	6	700		
		C	47	15	80	A	4.7	6	500		
		D	68	15	75	B	6.8	8	350		
63	40	D	100	20	65	B	10	8	260		
		E	150	20	50	C	15	10	175		
		E	220	25	45	C	22	10	150		
		F	330	25	45	D	33	15	100		
		G	470	35	35	D	47	15	70		
		H	680	40	30	E	68	15	65		
		I	1000	50	30	F	100	20	60		
		A	1.0	6	1800	G	150	20	50		
		A	1.5	6	1400	H	220	20	40		
		A	2.2	6	1100	A	0.47	6	4500		
75 (70)	50	A	3.3	6	700	A	0.68	6	3000		
		A	4.7	6	500	A	1.0	6	1800		
		A	6.8	8	350	A	1.5	6	1400		
		A	10	8	260	A	2.2	6	1100		
		B	15	10	175	A	3.3	6	700		
		C	22	12	140	B	4.7	6	500		
		C	33	12	100	B	6.8	8	350		
		C	47	15	80	C	10	10	260		
		D	68	15	65	C	15	10	175		
		D	100	20	60	D	22	15	150		
75 (70)	50	E	150	20	50	D	33	15	120		
		F	220	25	45	E	47	15	90		
		G	330	25	35	F	68	15	70		
		H	470	40	30	G	100	15	50		
		A	1.0	6	1800	H	150	20	45		
		A	1.5	6	1400						

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

Kingtronics® International Company

Website: www.kingtronics.com

Email: info@kingtronics.com

Tel: (852) 8106 7033

Fax: (852) 8106 7099