

TXK

5000 hour Radial Lead Aluminum Electrolytic Capacitors



Applications

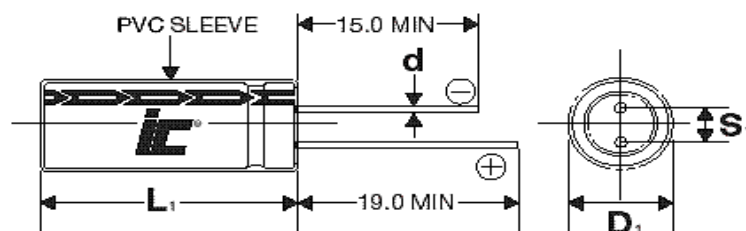
- Switching power supplies
- Electronic Ballasts

Features

- High Voltage
- High Temperature
- Long life
- RoHS Compliant

Specifications

Operating Temperature Range		-40°C to +105°C (160 to 400 WVDC)								
		-25°C to +105°C (450 WVDC)								
Capacitance Tolerance		+20% at 120 Hz, 20°C								
Surge voltage	WVDC	160	200	250	350	400	450			
	SVDC	200	250	300	400	450	500			
Dissipation Factor	WVDC	160	200	250	350	400	450			
	tan δ	.15	.15	.15	.24	.24	.24			
Leakage current		.06CV+10uA								
		2 Minutes								
Low temperature stability Impedance ratio (120 Hz)	Rated WVDC	160 to 250			350 to 400			450		
	-25°C to +20°C	3			6			6		
	-40°C to +20°C	4			6			-		
Load Life	5000 hours with rated voltage applied at 105°C									
	Capacitance change	≤20% of initial measured value								
	Dissipation factor	≤200% of maximum specified value								
	Leakage current	≥100% of maximum specified value								
Shelf Life	1000 hours at 105°C with no voltage applied									
	Capacitance change	≤20% of initial measured value								
	Dissipation factor	≤200% of maximum specified value								
	Leakage current	≥100% of maximum specified value								
Ripple Current Multipliers	Frequency (Hz)					Temperature (°C)				
		120	1k	10k	100k	65	75	85	95	105
	D=10	0.25	0.61	0.88	1.0	1.8	1.65	1.5	1.25	1.0
	D>10	0.35	0.66	0.89	1.0	1.8	1.65	1.5	1.25	1.0



Lead spacing VS. Case diameter

D	10	12.5	16	18
S	5.0	5.0	7.5	7.5
d	0.6	0.6	0.8	0.8
B	1.5	1.5	1.5	1.5

mm

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+105°C, High Voltage Low Impedance Long Life, 5000 hours

Capacitance (µF)	WVDC	IC PART NUMBER	Maximum ESR (mΩ) 120 Hz, +20°C	Impedance Ω +20°C/-10°C 100kHz	Maximum RMS Ripple Current (mA) 100 kHz, +105°C	Dims DxL (mm)
3.3	450	335TXK450M	120.572	4.47	150	10x20
4.7	450	475TXK450M	84.657	3.77	190	12.5x20
10	250	106TXK250M	24.868	3.18	240	10x20
10	350	106TXK350M	39.789	2.94	220	10x20
10	400	106TXK400M	39.789	2.94	290	10x20
10	450	106TXK450M	39.789	2.95	300	12.5x25
22	160	226TXK160M	11.304	1.47	350	10x20
22	200	226TXK200M	11.304	1.47	350	10x20
22	250	226TXK250M	11.304	1.74	380	12.5x20
22	350	226TXK350M	18.086	1.6	340	12.5x20
22	400	226TXK400M	18.086	1.6	460	12.5x25
22	450	226TXK450M	18.086	1.61	450	16x25
33	160	336TXK160M	7.536	1.15	430	10x20
33	200	336TXK200M	7.536	1.15	460	12.5x20
33	250	336TXK250M	7.536	1.35	510	12.5x25
33	350	336TXK350M	12.057	1.25	460	12.5x25
33	400	336TXK400M	12.057	1.25	620	12.5x25
33	450	336TXK450M	12.057	1.25	620	16x31.5
47	160	476TXK160M	5.291	0.92	550	12.5x20
47	200	476TXK200M	5.291	0.92	550	12.5x20
47	250	476TXK250M	5.291	1.08	610	12.5x25

Capacitance (µF)	WVDC	IC PART NUMBER	Maximum ESR (mΩ) 120 Hz, +20°C	Impedance Ω +20°C/-10°C 100kHz	Maximum RMS Ripple Current (mA) 100 kHz, +105°C	Dims DxL (mm)
47	350	476TXK350M	8.466	1	560	16x25
47	400	476TXK400M	8.466	1	740	16x25
47	450	476TXK450M	3.657	1.01	780	18x31.5
68	160	686TXK160M	3.657	0.71	730	12.5x25
68	200	686TXK200M	3.657	0.71	730	12.5x25
68	250	686TXK250M	3.657	0.84	730	16x25
68	350	686TXK350M	5.851	0.78	740	16x31.5
68	400	686TXK400M	5.851	0.78	990	16x31.5
68	450	686TXK450M	5.851	0.78	990	18x35.5
100	160	107TXK160M	2.487	0.59	890	16x25
100	200	107TXK200M	2.487	0.59	890	16x25
100	250	107TXK250M	2.487	0.7	980	16x31.5
100	350	107TXK350M	3.979	0.65	1010	18x35.5
100	400	107TXK400M	3.979	0.65	1350	18x35.5
150	160	157TXK160M	1.658	0.41	1210	16x31.5
150	200	157TXK200M	1.658	0.41	1210	16x31.5
150	250	157TXK250M	1.658	0.49	1290	18x31.5
220	160	227TXK160M	1.13	0.31	1460	16x31.5
220	200	227TXK200M	1.13	0.31	1640	18x35.5
220	250	227TXK250M	1.13	0.36	1730	18x40
330	160	337TXK160M	0.754	0.25	2010	18x35.5