TXK

Aluminum Electrolytic Capacitors

+105°C Long Life, Radial Lead



FEATURES	High Temperature - High Voltage – Long Life
APPLICATIONS	Switching Power Supplies – Electronic Ballasts

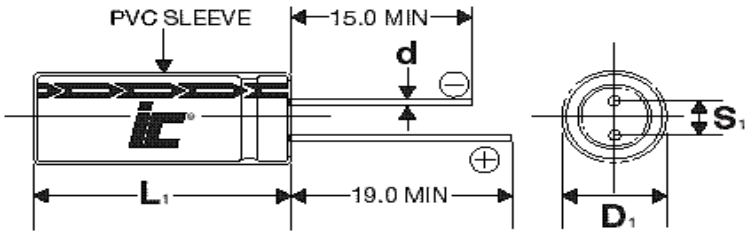
Operating Temperature Range		**-25°C to +105°C**						
Capacitance Tolerance		±20% at 120 Hz, 20°C						
Surge voltage	**WVDC**	**160**	**200**	**250**	**350**	**400**	**450**	
	SVDC	**200**	**250**	**300**	**400**	**450**	**500**	
Dissipation Factor	**WVDC**	**160**	**200**	**250**	**350**	**400**	**450**	
	tan δ	.15	.15	.15	.2	.2	.2	
Leakage current		.02CV+25uA						
		2 Minutes						

Low temperature stability Impedance ratio (120 Hz)	**Rated WVDC**	**160**	**200**	**250**	**350**	**400**	**450**
	-25°C to +20°C	3	3	4	6	6	7

Load Life	**5000 hours at 105°C with rated voltage and ripple current applied**
	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)**				
	WVDC	**120**	**1k**	**10k**	**100k**
	≤100	1	1.75	2.25	2.5
	>100	1	1.67	2.05	2.25



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

L_1= L+1.5 (L<20) mm
L_1= L+ 2 (L≥20)
D_1= D+0.5

ILLINOIS CAPACITOR
Your Global Source for World-Class Capacitors

©2013 Illinois Capacitor, Inc.

North America
Tel: 847.675.1760
sales@illcap.com

Asia
Tel: 852.2793 0931
sales@illcap.com.hk

TXK

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

Capacitance (µF)	WVDC	IC PART NUMBER	Maximum ESR (Ω) 120 Hz, +20°C	Maximum RMS Ripple Current (mA) 120 kHz, +105°C	Dims DxL (mm)
2.2	450	225TXK450MFH	150.715	45	8x11.5
3.3	400	335TXK400MFH	100.477	62	8x11.5
3.3	450	335TXK450MFBC	100.477	62	8x14
4.7	350	475TXK350MFH	70.5474	75	8x11.5
4.7	450	475TXK450MFBW	70.5474	85	8x16
6.8	250	685TXK250MFBC	36.5705	93	8x14
6.8	350	685TXK350MFBW	48.7607	102	8x16
6.8	450	685TXK450MGBW	48.7607	110	10x16
8.2	250	825TXK250MFBW	30.3267	113	8x16
10	160	106TXK160MGU	24.868	122	10x12.5
10	350	106TXK350M	33.1573	220	10x20
10	400	106TXK400MGBW	33.1573	135	10x16
10	400	106TXK400M	33.1573	130	10x20
10	450	106TXK450M	33.1573	120	13x26
10	450	106TXK450MGJG	33.1573	130	10x20
15	350	156TXK350MGJG	22.1049	182	10x20
15	450	156TXK450MTJG	22.1049	195	12.5x20
22	160	226TXK160MGBW	11.304	202	10x16
22	200	226TXK200M	11.304	350	10x20
22	250	226TXK250MGJG	11.304	225	10x20
22	350	226TXK350M	15.0715	240	12.5x20
22	400	226TXK400MTJG	15.0715	240	12.5x20
22	450	226TXK450MTJD	15.0715	241	12.5x25
33	160	336TXK160M	7.536	275	10x20
33	200	336TXK200M	7.536	315	12.5x20
33	250	336TXK250MTJG	7.536	315	12.5x20
33	400	336TXK400MKJG	10.0477	343	16x20
33	450	336TXK450MKJD	10.0477	340	16x25
47	160	476TXK160M	5.291	350	12.5x20
47	200	476TXK200M	5.291	175	12.5x20
47	250	476TXK250M	5.291	385	12.5x25
47	350	476TXK350M	7.0547	440	16x25

Capacitance (µF)	WVDC	IC PART NUMBER	Maximum ESR (Ω) 120 Hz, +20°C	Maximum RMS Ripple Current (mA) 120 kHz, +105°C	Dims DxL (mm)
47	400	476TXK400M	7.0547	442	16x25
47	450	476TXK450MKAG	7.0547	440	16x30
68	160	686TXK160M	3.657	475	12.5x25
68	200	686TXK200MKJG	3.657	490	16x20
68	200	686TXK200M	3.657	475	12.5x25
68	250	686TXK250M	3.657	540	16x25
68	350	686TXK350M	4.8761	580	16x31.5
68	400	686TXK400MKAD	4.8761	620	16x35
68	450	686TXK450MKCG	4.8761	610	16x40
82	350	826TXK350MKAD	4.0436	680	16x35
82	400	826TXK400MKCG	4.0436	690	16x40
82	450	826TXK450MLAD	4.0436	670	18x35
100	160	107TXK160M	2.487	645	16x25
100	200	107TXK200M	2.487	650	16x25
100	250	107TXK250M	2.487	710	16x31.5
100	350	107TXK350M	3.3157	780	18x35.5
100	400	107TXK400M	3.3157	780	18x35.5
100	450	107TXK450MLCG	3.3157	780	18x40
120	350	127TXK350MLAD	2.7631	850	18x35
120	400	127TXK400MLCG	2.7631	900	18x40
120	450	127TXK450MLCD	2.7631	900	18x45
150	160	157TXK160M	1.658	840	16x31.5
150	200	157TXK200M	1.658	850	16x31.5
150	250	157TXK250MKAD	1.658	900	16x35
150	350	157TXK350MLCG	2.2105	1000	18x40
150	400	157TXK400MLCD	2.2105	1050	18x45
150	450	157TXK450MLCG	2.2105	1050	18x40
150	450	157TXK450MNCG	2.2105	1050	22x40
220	160	227TXK160MKAD	1.1304	1000	16x35
220	200	227TXK200M	1.1304	1050	18x35.5
220	250	227TXK250M	1.1304	1120	18x40

© 2016 Illinois Capacitor
North America
Tel: 847.675.1760
sales@illcap.com

Asia
Tel: 852.2793 0931
sales@illcap.com.hk