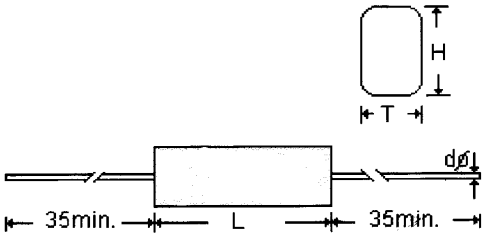
MKP-70

CAPACITORS KONEK

METALLIZED POLYPROPYLENE FILM CAPACITOR AXIAL LEADS FLATTENED



TYPICAL APPLICATIONS:
Resonance circuits, temperature compensation circuits, high frequency circuit, power factor correction, coupling capacitors in SMPS, timing, oscillator circuits.

FEATURES:
Low dissipation factor and high insulation resistance, High stability of capacitance and dissipation factor versus temperature and frequency and self-healing properties.

MARKING:
Manufacturer's logo, capacitance, tolerance, rated voltage and type.

DIELECTRIC:
Polypropylene film.

ELECTRODES:
Aluminium layer deposited by evaporation under vacuum.

CONSTRUCTION:
Metallized polypropylene film, non-inductive, axial leads, tape-wrapped with epoxy end seals cylindrical flattened shape.

LEADS:
Tinned wire.

OPERATING TEMP. RANGE:
-55ºC to +105 (At 105ºC with 75% of rated voltage.)

CAPACITANCE RANGE:
0.001?F to 10?F

CAPACITANCE TOLERANCE:
20%, 10%, 5%.

RATED VOLTAGE:
250V, 400V, 630V.

DISSIPATION FACTOR:
Tg ? ? 20 ?10^{-4} (1 KHz 25ºC)

INSULATION RESISTANCE:
50,000 M? for C?0.33?F
15,000 s for C>0.33?F

WITHSTAND VOLTAGE
Rated voltage (VDC) x 1,5 60 seconds

RELATED DOCUMENTS
IEC 60384-16
CECC 31200

MAXIMUM PULSE RISE TIME (dV/dt)

Vr	L max (mm)					
	13	15	21	28	33	
250	11	10	7	4	2.5	dv/dt (V/?s)
400	25	13.5	10	6.5	4	dv/dt (V/?s)
630	30	20	15	10	6	dv/dt (V/?s)
850				15		dv/dt (V/?s)

STANDARD PRODUCTS AND CASE SIZE TABLE (UNIT: mm)

CAP	250VDC			400VDC			630VDC		
?F	W	H	T	W	H	T	W	H	T
0.01							13	7.5	4
0.015							13	7.5	4
0.022				13	6.5	4	13	7.5	4.7
0.033	13	6.5	4	13	7	4.5	15	9	4.7
0.047	13	7	4.5	13	7.5	5	15	9.3	6
0.068	15	8.5	4.5	15	8.5	5.5	21	9	5
0.1	15	9.5	5	15	10	6.5	21	10.5	6
0.15	21	8.5	4.5	21	9.5	5.5	21	12.5	6.5
0.22	21	9.5	5.5	21	10.5	6.5	28	11.5	6
0.33	21	12	6	21	13	7.5	28	13	7.5
0.47	21	13.5	7.5	21	15	9	28	15	9
0.68	28	12.5	7	28	15	7.5	33	18	9
1.0	28	15	7.5	33	16	9	37	19.5	10.5
1.5	28	17.5	9.5	33	19.5	10	37	22.5	13
2.2	33	19.5	10.5	37	21.5	12	47	23	14
3.3	37	21.5	12	47	21.5	12.5	57	24	15.5
4.7	47	21.5	12	57	22.5	13			
6.8	57	23	14						

TIPICAL GRAPHS

MAXIMUM VOLTAGE (V rms) VERSUS FREQUENCY (Sinusoidal wave-form)