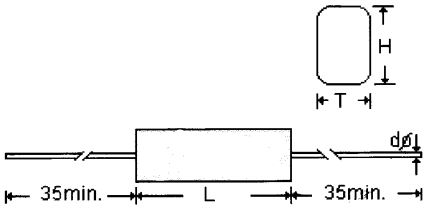
MFP-70

CAPACITORS KONEK

FILM/FOIL AND METALLIZED POLYPROPYLENE FILM CAPACITOR



TYPICAL APPLICATIONS
High frequency and high pulse rise time circuits, high voltage power supplies, electronic ballast.

FEATURES:
Connection A: Excellent electrical performance, low dissipation factor and high insulation resistance.
Connection B: High voltage, high pulse, high dv/dt, low dissipation factor and self heating properties.

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

DIELECTRIC: Polypropylene film.

ELECTRODES:
Connection A: Aluminium foil
Connection B: Aluminium layer deposited by evaporation under vacuum.

CONSTRUCTION:
Connection A are non-inductive construction with polypropylene dielectric, aluminium electrode and copper-clad steel leads with epoxy resin coating.
Connection B are non-inductive wound with metal foil and metallized polypropylene film in series with flame retardant epoxy sealed.

LEADS: Tinned wire.

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

CAPACITANCE RANGE:
Connection A: From 0.001µF to 0.022 µF
Connection B: From 100 pF to 0.33 µF

CAPACITANCE TOLERANCE: 10%, 5%

RATED VOLTAGE:
Connection A: 630 VDC, 1000VDC
Connection B: 630VDC, 1000VDC, 1250VDC, 1600VDC, 2000VDC

DISSIPATION FACTOR (10KHz,25ºC)**:**
Connection A: Tg $\delta \leq 10 \cdot 10^{-4}$
Connection B: Tg $\delta \leq 15 \cdot 10^{-4}$ for C≤0.1µF
Tg $\delta \leq 20 \cdot 10^{-4}$ for C>0.1 µF

INSULATION RESITANCE: ≥100,000 MΩ

WITHSTAND VOLTAGE: $2\ U_R\ \ 5_S$

RESISTANCE TO SOLDERING HEAT:
Body temperature: 100ºC
Bath temperature: 260ºC ± 5ºC

BASIC SPECIFICATIONS:
IEC 60384-16
CECC 31200

STANDARD PRODUCTS AND CASE SIZE TABLE (UNIT: mm)

CAP µF	250VDC			400VDC			630VDC		
	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						