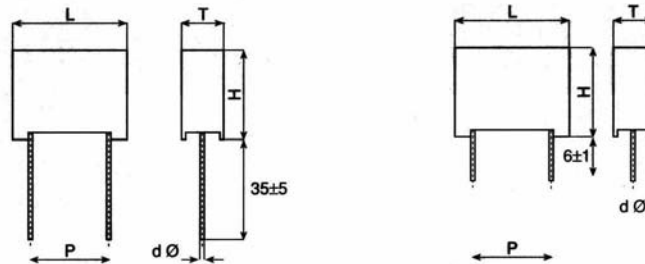


## METALLIZED POLYPROPYLENE FILM CAPACITOR



### TYPICAL APPLICATIONS

High frequency circuit, coupling capacitor in SMPS, timing, oscillator circuits, horizontal resonance circuit of TV set, general resonance circuits, etc.

### FEATURES

Low dissipation factor and high insulation resistance, high stability of capacitance and dissipation factor versus temperature and frequency, 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, radial leads, encapsulated in flame retardant plastic case sealed in epoxy resin.

### LEADS:

Tinned wire.

### OPERATING TEMP. RANGE:

From -55°C to +105°C (At 105°C with 75% rated voltage)

### CAPACITANCE RANGE:

0.001  $\mu$ F to 10  $\mu$ F

### CAPACITANCE TOLERANCE:

20%, 10%, 5%

### RATED VOLTAGE:

250VDC, 400VDC, 630VDC, 1000VDC, 1600VDC, 2000VDC

### PITCH:

10, 15, 22.5, 27.5, 37.5 (mm)

### PITCH TOLERANCE:

10, 15:  $\pm 0,5$ mm  
22.5, 27.5:  $\pm 1$ mm

### DISSIPATION FACTOR:

$T_g \delta \leq 20 \cdot 10^{-4}$  (1 KHz, 25°C)

### INSULATION RESITANCE:

$\geq 50,000$  M $\Omega$  for  $C \leq 0.33 \mu$ F  
 $\geq 15,000$  s for  $C > 0.33 \mu$ F

### WITHSTAND VOLTAGE:

$1.6 U_R$  60s

### RESISTANCE TO SOLDERING HEAT:

Body temperature: 100°C  
Bath temperature: 260°C  $\pm 5$ °C

### BASIC SPECIFICATIONS:

IEC 60384-16  
CECC 31200

dV/dT

MKP-77	dV/dT (V/μs)			
	PITCH (mm)	250Vdc	400Vdc	630Vdc
	15	200	300	400
	22,5	120	170	250
27,5	100	125	170	

STANDARD PRODUCTS AND CASE SIZE TABLE (mm)

CAP (μF)	PITCH (mm)	250VDC			400VDC			630VDC			1000VDC			1600VDC			2000VDC		
		L	Hr	T	L	Hr	T	L	Hr	T	L	Hr	T	L	Hr	T	L	Hr	T
0.01	10	13	9	4	13	9	4	13	9	4									
0.01	15										18	11	5	18	13	6	18	14	8
0.015	10	13	9	4	13	9	4	13	9	4									
0.015	15										18	11,5	5,5	18	14	8	18	16	10
0.022	10	13	9	4	13	9	4	13	9	4									
0.022	15										18	12	6	18	16	10	26	14	8
0.033	10	13	9	4	13	9	4	13	9	4									
0.033	15										18	13	7	18	17	11	26	14	9
0.047	10	13	9	4	13	9	4	13	9	4									
0.047	15										18	13,5	7,5	18	17	12			
0.047	22,5																26	16	10
0.068	10	13	9	4	13	12	6	18	10	5									
0.068	15				18	12	6	18	10	5	18	14	10						
0.068	22,5													26	17	10	26	19	11
0.1	10	13	12	6	13	12	6												
0.1	15				18	12	6	18	12	6	18	15	11						
0.1	22,5													26	19	13	30	20	14
0.15	15	18	10	5	18	13,5	7,5												
0.15	22,5							26,5	15	6	26	12	13	26	22	15			
0.15	27,5																30	24	18
0.22	15	18	12	6	18	14,5	8,5												
0.22	22,5				26,5	16,5	7	26,5	16,5	7	26	22	16						
0.22	27,5													30	25	15	31	30	23
0.33	15	18	13,5	7,5	18	16	10												
0.33	22,5				26,5	17	8,5	26,5	17	8,5	26	21	19						
0.33	27,5							32	20	11				31	30	21			
0.47	15	18	16	10	18	18	10												
0.47	22,5	26,5	16,5	7	26,5	18	10	26,5	18	10									
0.47	27,5							32	22	13	30	27	16						
0.68	22,5	26,5	17	8,5	26,5	18	10												
0.68	27,5				32	20	11	32	20	11	36	33	22						
0.82	15	18	17,5	9,5															
0.82	22,5																		
0.82	27,5																		
1.0	22,5	26,5	18	10	26	20,5	17												
1.0	27,5				32	22	13	32	22	13									
1.5	27,5	32,5	20	11	31,5	24,5	14	32	30	15									
2.2	27,5	32,5	22	13	32	30	15	31	31	18									