



# Metallized Polypropylene Film Capacitors

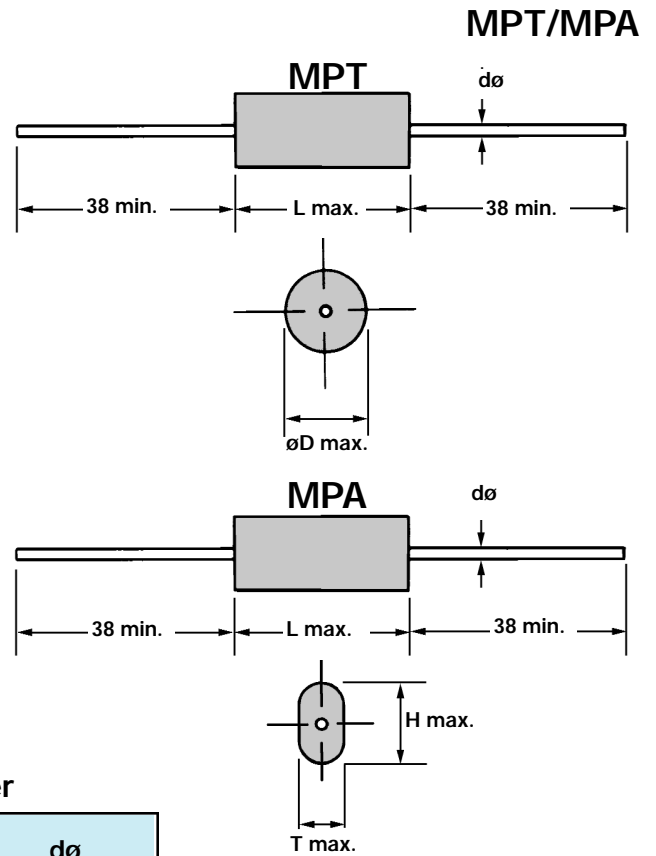
MPT & MPA are non-inductively wound with metallized Polypropylene dielectric/electrode with outer wrapping of Polyester film and end sealed with epoxy resin. They are suitable for timing circuits, integrating and filter networks with application primarily in telecommunications equipment.

## Features:

- Low dissipation factor and high insulation resistance.
- High stability of capacitance and DF versus temperature and frequency.
- Low ESR
- Self-healing properties.
- Small size and light weight.

## Specifications:

- Operating Temperature:  $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
- Capacitance Range:  $.01\mu\text{F} \sim 10\mu\text{F}$
- Capacitance Tolerance: J ( $\pm 5\%$ ), K ( $\pm 10\%$ ), M ( $\pm 20\%$ )
- Rated Voltage: 250VDC, 400VDC, 630VDC,
- Dissipation Factor: 0.1% Max. at 1KHz,  $25^{\circ}\text{C}$
- Insulation Resistance:  $>30000 \text{ M } (C < .33\mu\text{F})$   
 $>10000 \text{ M } -\mu\text{F } (C \geq .33\mu\text{F})$



## Lead Diameter

D	dø
8mm	0.6mm
> 8mm	0.8mm

MPT Unit: mm

Cap Code	R.V. Size Cap	250 VDC		400 VDC		630 VDC	
		øD	L	øD	L	øD	L
103	.01			5.5	14	6.5	14
153	.015			6	14	7	14
223	.022			7	14	8	14
333	.033			7.5	14	8	19
473	.047	6.5	14	8	14	9	19
683	.068	7.5	14	8	19	10.5	19
104	.1	8	14	8.5	19	11	27
154	.15	8	19	10	19	13	27
224	.22	9	19	9.5	27	13	33
334	.33	10.5	19	11.5	27	16	33
474	.47	10.5	25	13	27	18	33
684	.68	12.5	25	14.5	33	20	33
105	1.0	12.5	25	17	33	20	38
155	1.5	15	33	20.5	33	22	44
225	2.2	17	33	22	38	27	44
335	3.3	19	33	26	44		
475	4.7	20.5	38				
685	6.8	23	44				
106	10	26	44				

MPA Unit: mm

Cap Code	R.V. Size Cap	250 VDC			400 VDC			630 VDC		
		L	H	T	L	H	T	L	H	T
103	.01				14	8	5	14	9	5.5
153	.015				14	8.5	5	14	10	6
223	.022				14	10	5	14	10	6
333	.033				14	11	6	19	11.5	6.5
473	.047	14	9.5	5	14	11.5	6.5	19	13	7.5
683	.068	14	10.5	5.5	19	12	7	19	13.5	8.5
104	.1	14	11.5	7	19	12	7.5	27	13	8
154	.15	19	10.5	6	19	14.5	8.5	27	16	9
224	.22	19	10.5	7	27	14.5	8	33	17	10.5
334	.33	19	12.5	8	27	16	9.5	33	20	12.5
474	.47	27	15	8.5	33	16	10	33	22	14.5
684	.68	27	16	10	33	18	11	33	23	16
105	1.0	33	17.5	10	33	21	14	38	25	17
155	1.5	33	19.5	13	33	24	16	44	32	21
225	2.2	33	20	13.5	38	30	13	44	37	23
335	3.3	33	24	16	44	37	18			
475	4.7	38	25	16						
685	6.8	44	32	16						
106	10	44	38	18						