

Polypropylene Film Capacitors



TPPN Series
(Axial Tubular)

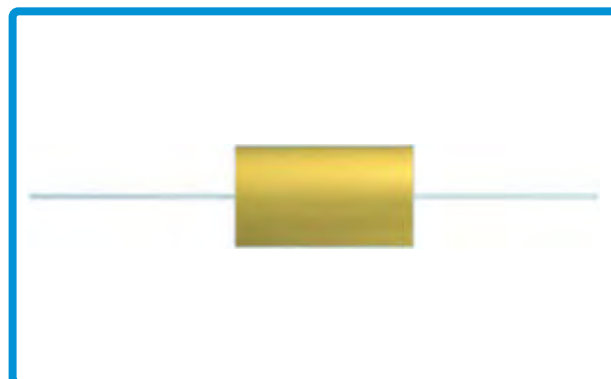
MERITEK

FEATURES

- Negative temperature coefficient can be used in critical circuits
- Excellent long-term stability and high reliability

SPECIFICATIONS

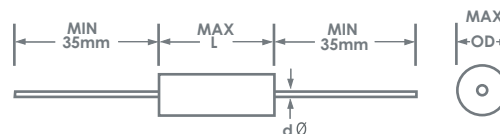
- Operating temperature: -40°C to +85°C
- Capacitance range: 0.001μF to 0.47μF
- Capacitance tolerance: ±5%(J), ±10%(K), ±20%(M)
- Rated voltage: 100VDC, 250VDC, 400VDC, 630VDC
- Dissipation factor: 0.1% max. at 1KHz, 25°C
- Insulation resistance: >50000MΩ



TPPN are constructed with polypropylene film dielectric, aluminum foil electrodes, tinned copper leads, an outer wrapping of polyester film tape, and epoxy resin end seals. They are ideal for coupling and bypassing in precision timing and oscillation circuits.

PART NUMBERING SYSTEM

Meritek Series	TPPN	103	J	2A
Capacitance				
CODE	102	103	104	105
(pF)	1,000	10,000	100,000	
(nF)	1	10	100	1000
(μF)	0.001	0.01	0.1	1
Tolerance				
CODE	J	K	M	
Tolerance (%)	± 5	± 10	± 20	
Rated Voltage				
CODE	2A	2E	2G	2J
	100V	250V	400V	630V



Tape & Reel / Tape & Ammo available for diameter 10mm or smaller
Please contact factory for part numbers

Dimensions in millimeters (mm)

Rated Voltage DIM. CAP(μF)	100VDC			250VDC			400VDC			630VDC		
	OD	L	dØ	OD	L	dØ	OD	L	dØ	OD	L	dØ
0.001	5.0	14.0	0.6	5.0	14.0	0.6	5.0	14.0	0.6	5.0	14.0	0.6
0.0015	5.0	14.0	0.6	5.0	14.0	0.6	6.0	14.0	0.6	7.0	14.0	0.6
0.0022	5.0	14.0	0.6	5.0	14.0	0.6	5.0	14.0	0.6	7.0	14.0	0.6
0.0033	5.0	14.0	0.6	5.0	14.0	0.6	6.0	14.0	0.6	7.0	14.0	0.6
0.0047	6.0	14.0	0.6	6.0	14.0	0.6	7.0	14.0	0.6	8.0	14.0	0.6
0.0068	6.0	14.0	0.6	6.0	14.0	0.6	8.0	14.0	0.6	8.0	16.0	0.6
0.01	6.0	14.0	0.6	7.0	14.0	0.6	8.0	16.0	0.6	10.0	16.0	0.6
0.015	7.0	14.0	0.6	7.0	16.0	0.6	9.0	16.0	0.6	9.0	21.0	0.8
0.022	7.0	14.0	0.6	8.0	16.0	0.6	10.0	16.0	0.6	11.0	21.0	0.8
0.033	8.0	14.0	0.6	10.0	16.0	0.6	12.5	21.0	0.8	13.0	21.0	0.8
0.047	9.0	16.0	0.6	10.0	21.0	0.6	14.0	21.0	0.8	13.0	27.0	0.8
0.068	11.0	16.0	0.6	11.0	21.0	0.8	12.0	27.0	0.8	15.0	27.0	0.8
0.10	10.0	21.0	0.8	12.0	27.0	0.8	14.0	27.0	0.8	16.0	32.0	0.8
0.15	12.0	21.0	0.8	14.0	27.0	0.8	17.0	27.0	0.8	18.0	32.0	0.8
0.22	13.0	27.0	0.8	16.0	27.0	0.8	18.0	32.0	0.8			
0.33	15.0	27.0	0.8	15.0	32.0	0.8	20.0	32.0	0.8			
0.47	16.0	32.0	0.8	19.0	32.0	0.8						

Custom sizes and lead spacing available upon request
Custom values and tolerances available upon request

Specifications are subject to change without notice.