Metallized Polypropylene Film Capacitors

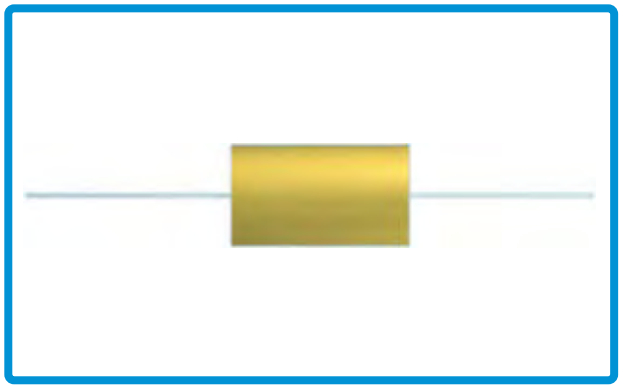
RoHS

TMPP & FMPP Series
(Axial Lead)

MERITEK

FEATURES

- Low dissipation factor (DF), excellent for high frequency applications
- Miniature in size and light in weight
- High reliability and excellent long-term stability
- Flame retardant epoxy resin coating



SPECIFICATIONS

1. Operating temperature: -40°C to +105°C
2. Capacitance range: 0.01μF to 4.7μF
3. Capacitance tolerance: ±5%(J), ±10%(K), ±20%(M)
4. Rated voltage: 250VDC, 400VDC, 630VDC
5. Dissipation factor: 0.1% max. at 1KHz, 25°C
6. Insulation resistance: >30000MΩ (C < 0.33μF)
   >10000MΩ • μF (C ≥ 0.33μF)

**Voltage derated at operating temperature >85°C*

PART NUMBERING SYSTEM

TMPP **104** **K** **2G**

Meritek Series

Capacitance

CODE	103	104	105	106
(pF)	10,000	100,000		
(nF)	10	100	1000	
(μF)	0.01	0.1	1	10

Tolerance

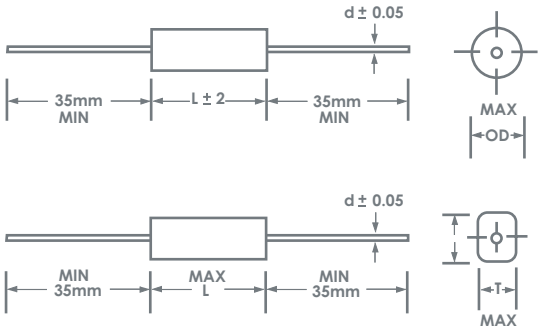
CODE	J	K	M
Tolerance (%)	± 5	± 10	± 20

Rated Voltage

CODE	2D	2G	2J
	200V	400V	630V

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

TMPP & FMPP are constructed with metallized polypropylene film dielectric, tinned copper leads, an outer wrapping of polyester film tape and non-inductive epoxy resin end seals. They are ideal for use in communication equipment, timing circuits, and integrated filter networks.



Dimensions in millimeters (mm)

	TMPP						FMPP								
Rated Voltage	200VDC		400VDC		630VDC		250VDC			400VDC			630VDC		
DIM. / CAP (μF)	Ø D	L	Ø D	L	Ø D	L	W	H	T	W	H	T	W	H	T
0.010	5.0	15.0	5.5	15.0	6.5	15.0									
0.015	5.0	15.0	6.0	15.0	7.0	15.0									
0.022	6.0	15.0	7.0	15.0	8.0	15.0									
0.033	6.0	15.0	7.5	15.0	8.0	21.0									
0.047	6.5	15.0	8.0	21.0	9.0	21.0									
0.068	7.5	15.0	8.0	21.0	10.5	21.0									
0.10	8.0	15.0	8.5	21.0	11.0	27.0	15.0	10.0	6.0	21.0	12.0	7.0	27.0	13.0	8.0
0.15	8.0	21.0	10.0	21.0	12.0	27.0	21.0	11.0	6.0	21.0	13.0	7.0	27.0	15.0	9.0
0.22	9.0	21.0	9.5	27.0	14.0	33.0	21.0	11.0	7.0	27.0	14.0	8.0	33.0	19.0	10.0
0.33	10.5	21.0	12.0	27.0	16.0	33.0	21.0	13.0	8.0	27.0	16.0	10.0	33.0	20.0	12.0
0.47	10.5	27.0	13.0	33.0	18.0	33.0	27.0	14.0	8.0	33.0	20.0	12.0	33.0	22.0	14.0
0.68	12.5	27.0	15.0	33.0	20.0	37.0	27.0	16.0	10.0	33.0	22.0	13.0	37.0	24.0	15.0
1.0	14.0	33.0	18.0	34.0	22.0	37.0	33.0	18.0	11.0	33.0	21.0	13.5	37.0	25.0	16.0
1.5	16.0	33.0	20.0	37.0			33.0	20.0	12.5	37.0	24.0	16.0	42.0	29.0	20.0
2.2	18.0	33.0	22.0	37.0			33.0	22.0	14.0	42.0	25.0	16.0	47.0	34.0	24.0
3.3	20.0	37.0	24.0	42.0			37.0	24.0	15.0	47.0	34.0	23.0			
4.7	22.0	37.0	26.0	47.0			37.0	27.0	17.0						

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

Specifications are subject to change without notice.