

# Metallized Polyester Film Capacitors



TMPE & FMPE Series  
(Axial Lead)

MERITEK

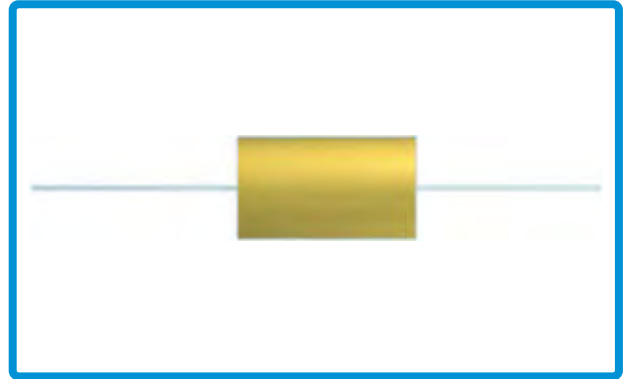
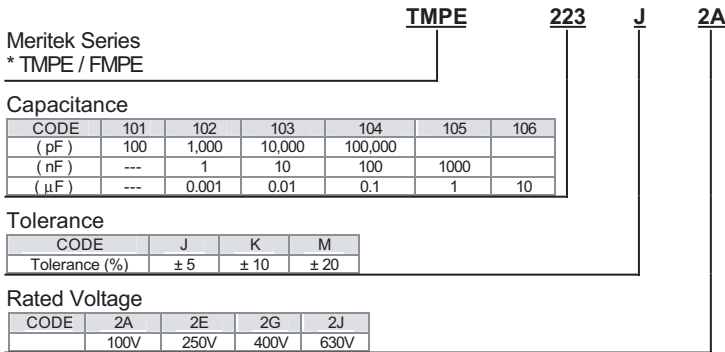
## FEATURES

- Non-inductive construction
- Good solderability
- Self-healing properties
- High stability of capacitance

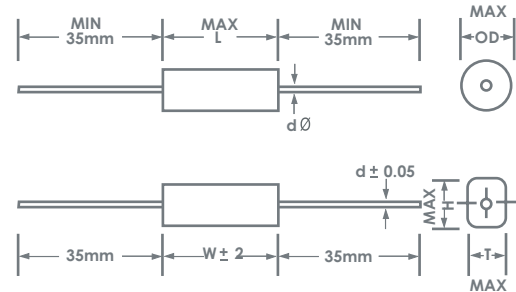
## SPECIFICATIONS

1. Operating temperature: -40°C to +85°C
2. Capacitance range: 0.01μF to 12μF
3. Capacitance tolerance: ±5%(J), ±10%(K), ±20%(M)
4. Rated voltage: 100VDC, 250VDC, 400VDC, 630VDC
5. Dissipation factor: 1.0% max. at 1KHz, 25°C
6. Insulation resistance: >30000MΩ (C ≤ 0.33μF)  
>10000MΩ • μF (C > 0.33 μF)

## PART NUMBERING SYSTEM



**TMPE & FMPE** are constructed with metallized polyester film dielectric, tinned copper leads, polyester film tape outer wrapping, and non-inductive epoxy resin end seals. They are ideal for coupling and decoupling, bypassing, filtering, and other applications. TMPE and FMPE are frequently used in data processing equipment, automatic control systems, devices for telecommunication and industrial instruments.



Dimensions in millimeters (mm)

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

Rated Voltage	TMPE								FMPE											
	100VDC		250VDC		400VDC		630VDC		100VDC			250VDC			400VDC			630VDC		
DM	ØD	L	ØD	L	ØD	L	ØD	L	W	H	T	W	H	T	W	H	T	W	H	T
0.010	6.0	15.0	6.0	15.0	6.0	15.0	6.0	15.0	15.0	9.0	5.0	15.0	9.0	5.0	15.0	9.0	5.0	15.0	9.0	5.0
0.015	6.0	15.0	6.0	15.0	6.0	15.0	6.5	15.0	15.0	10.0	6.0	15.0	10.0	6.0	15.0	10.0	6.0	15.0	10.0	6.0
0.022	6.0	15.0	6.0	15.0	6.0	15.0	7.0	15.0	15.0	10.0	6.0	15.0	10.0	6.0	15.0	9.0	5.0	15.0	10.0	6.0
0.033	6.5	15.0	6.5	15.0	6.5	15.0	9.0	15.0	15.0	10.0	6.0	15.0	10.0	6.0	15.0	10.0	6.0	15.0	11.0	7.0
0.047	7.0	15.0	7.0	15.0	7.0	15.0	7.5	21.0	15.0	10.0	6.0	15.0	10.0	6.0	15.0	10.0	6.0	21.0	10.0	6.0
0.068	7.0	15.0	7.0	15.0	7.0	21.0	8.5	21.0	15.0	10.0	6.0	15.0	10.0	6.0	15.0	10.0	6.5	21.0	11.0	7.0
0.10	7.0	15.0	7.0	15.0	8.0	21.0	11.0	21.0	15.0	10.0	6.0	15.0	10.0	6.0	21.0	11.0	6.5	21.0	13.0	8.0
0.15	7.0	15.0	7.0	15.0	9.0	21.0	10.5	26.0	15.0	10.0	6.0	15.0	10.0	6.0	21.0	11.5	6.5	21.0	15.0	10.0
0.22	7.0	15.0	7.0	21.0	9.5	26.0	14.0	26.0	15.0	10.0	6.0	21.0	8.5	5.0	21.0	13.5	7.5	26.0	14.5	8.5
0.33	8.0	15.0	8.0	21.0	11.0	26.0	12.0	33.0	15.0	11.0	6.0	21.0	10.0	5.0	26.0	14.5	8.0	26.0	17.0	10.0
0.47	7.5	21.0	9.0	21.0	13.0	26.0	14.0	33.0	21.0	10.0	6.0	21.0	11.0	7.0	26.0	15.5	9.0	33.0	17.5	9.0
0.68	8.5	21.0	9.0	26.0	13.5	33.0	16.5	33.0	21.0	11.0	6.0	26.0	11.0	7.0	33.0	15.0	7.5	33.0	19.0	11.0
1.0	10.0	21.0	10.5	26.0	16.0	33.0	20.0	37.0	21.0	12.5	7.0	26.0	14.0	8.0	33.0	18.5	10.0	37.0	22.0	13.0
1.5	10.0	26.0	13.0	26.0	19.0	33.0	25.0	37.0	26.0	12.0	7.0	26.0	16.0	9.0	33.0	21.0	12.5	37.0	27.0	17.0
2.2	11.5	26.0	14.0	33.0	20.0	37.0	23.0	47.0	26.0	16.0	9.0	33.0	18.0	9.5	38.0	23.0	14.0	47.0	28.0	19.0
3.3	13.0	26.0	16.5	33.0	25.0	37.0			26.0	18.5	11.0	33.0	20.0	11.0	38.0	26.0	17.0			
4.7	14.5	33.0	18.0	37.0					33.0	18.5	9.0	38.0	25.0	16.0	38.0	30.0	21.0			
6.8	18.0	33.0	20.5	37.0					33.0	23.0	13.0	38.0	27.0	19.0						
10.0	20.0	33.0	22.0	47.0					33.0	26.5	16.0	47.0	30.0	22.0						
12.0	22.0	33.0	24.0	47.0																

Custom sizes available upon request

Custom values and tolerances available upon request

Specifications are subject to change without notice.