

# Metallized Polyester Film Capacitors



**EMPE** Series  
(Box type)

**MERITEK**

## FEATURES

- Non-inductive construction
- Self-healing properties
- High moisture resistance
- Good solderability

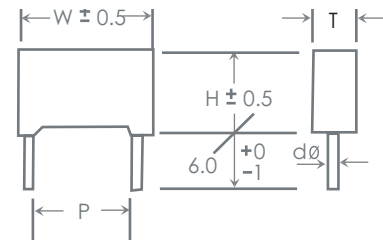
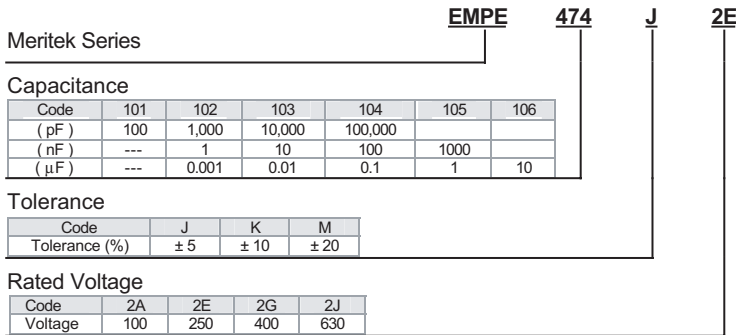
## SPECIFICATIONS

1. Operating temperature: -40°C to +85°C
2. Capacitance range: 0.01μF to 6.8μF
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 > 0.33μF)



**EMPE** are constructed with metallized polyester film dielectric, tinned copper leads, plastic casing, and epoxy resin for sealing. They are suitable for filtering, bypassing, blocking, and coupling/decoupling. EMPE are ideal for use in data processing and telecommunication equipment, as well as automatic control systems.

## PART NUMBERING SYSTEM



Tape & Reel / Tape & Ammo available for lead space ≤ 10 mm  
Please contact factory for part number

Dimensions in millimeters (mm)

CASE	RV	100VDC	250VDC	400VDC	630VDC	DIM. CASE	W	H	T	P ± 1	dØ
	0.010	C1	C1	C1	C1	13.0	9.0	4.0	10.0	0.6	
	0.015				C2	13.0	11.0	5.0	10.0	0.6	
	0.022				C3	13.0	12.0	6.0	10.0	0.6	
	0.033	C2	C2	C2	D1	18.0	11.0	5.0	15.0	0.6	
	0.047				D2	18.0	12.0	6.0	15.0	0.8	
	0.068	C1	C1	D1	D2	18.0	13.5	7.5	15.0	0.8	
	0.1	C1	C1	D1	E2	18.0	14.5	8.5	15.0	0.8	
	0.15	C1	C2	D2	E3	E1	26.5	15.0	6.0	20.0	0.8
	0.22	C1	D1	E1	F1	E2	26.5	16.5	7.0	20.0	0.8
	0.33	C2	D2	E2	F2	E3	26.5	17.5	8.5	20.0	0.8
	0.47	D1	D2	E3		E4	26.5	19.0	10.0	20.0	0.8
	0.68	D2	E2	E4		F1	32.0	20.0	11.0	27.5	0.8
	1.0	D3	E2	F1		F2	32.0	22.0	13.0	27.5	0.8
	1.5	E2	E4	F2		F3	32.0	30.0	15.0	27.5	0.8
	2.2	E2	F1								
	3.3	E4	F2								
	4.7	F1									
	6.8	F2									

Custom sizes and lead spacing available upon request

Custom values and tolerances available upon request

Specifications are subject to change without notice.