

Metallized Polypropylene Film Capacitors



EMPP Series
(Box type)

MERITEK

FEATURES

- Non-inductive construction
- Self-healing properties
- Flame retardant plastic case and epoxy resin (In compliance with UL94V-0)
- High moisture resistance
- Good solderability

SPECIFICATIONS

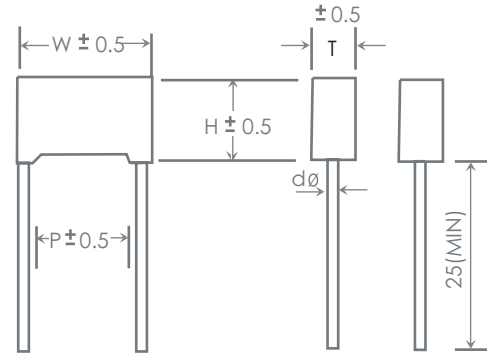
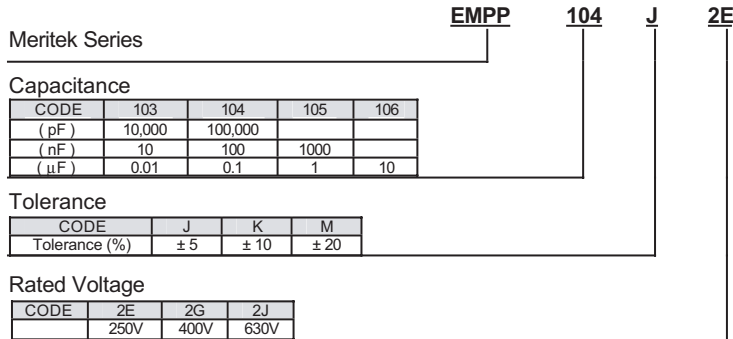
1. Operating temperature: -40°C to +105°C
2. Capacitance range: 0.01μF to 2.2μF
3. Capacitance tolerance: ±5%(J), ±10%(K), ±20%(M)
4. Rated voltage: 250VDC, 400VDC, 630VDC
5. Dissipation factor: 0.1% max. (1KHz)
6. Insulation resistance: 25°C < 0.33μF > 30,000MΩ
25°C > 0.33μF < 10,000μF • MΩ

*Voltage derated at operating temperature >85°C



EMPP are constructed with metallized polypropylene film dielectric, tinned copper leads, plastic casing, and epoxy resin for sealing. They are designed for critical applications wherein reliable operation at high current induced levels is required. EMPP have a high dv/dt ratio while exhibiting low loss, high capacitance stability and long life.

PART NUMBERING SYSTEM



Dimensions in millimeters (mm)

CASE	Rated Voltage			DIM.	W	T	H	P	d∅
	250VDC	400VDC	630VDC						
CAP (μF)				CASE					
0.010	C1	C1	C2	C1	13.0	4.0	9.0	10.0	0.6
0.015	C1	C1	C3	C2	13.0	5.0	11.0	10.0	0.6
0.022	C1	C2	D1	C3	13.0	6.0	12.0	10.0	0.6
0.033	C1	C2	D2	D1	18.0	5.0	11.0	15.0	0.6
0.047	C1	C3	D3	D2	18.0	6.0	12.0	15.0	0.8
0.068	C2	D2	D4	D3	18.0	7.5	13.5	15.0	0.8
0.1	C3	D3	E2	D4	18.0	8.5	14.5	15.0	0.8
0.15	D2	D4	E3	E1	26.5	6.0	15.0	22.5	0.8
0.22	D2	E2	F1	E2	26.5	7.0	16.5	22.5	0.8
0.33	D3	E3	F2	E3	26.5	8.5	17.0	22.5	0.8
0.47	E2	E4	F3	E4	26.5	10.0	19.0	22.5	0.8
0.68	E2	F1		F1	32.0	11.0	20.0	27.5	0.8
1.0	E4	F2		F2	32.0	13.0	22.0	27.5	0.8
1.5	F1	F3		F3	32.0	15.0	30.0	27.5	0.8
2.2	F2								

Custom sizes and lead spacing available upon request

Custom values and tolerances available upon request

Specifications are subject to change without notice.