Metallized Polyester Film Capacitors

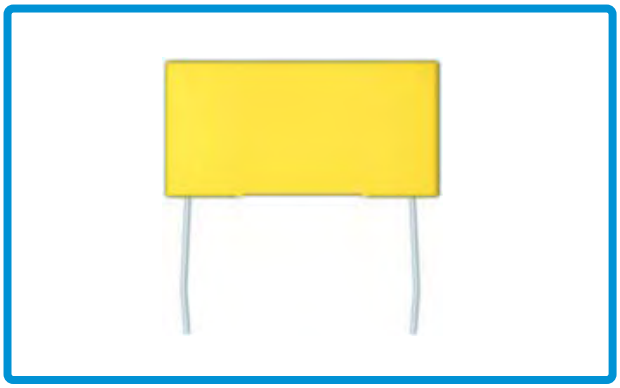
RoHS

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

EMPE **474** **J** **2E**

Meritek Series

Capacitance

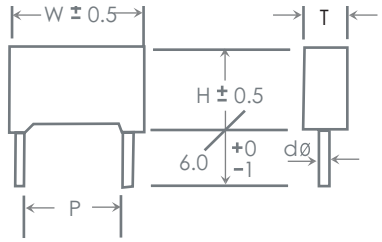
Code	101	102	103	104	105	106
(pF)	100	1,000	10,000	100,000		
(nF)	---	1	10	100	1000	
(μF)	---	0.001	0.01	0.1	1	10

Tolerance

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

Rated Voltage

Code	2A	2E	2G	2J
Voltage	100	250	400	630



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

Dimensions in millimeters (mm)

CASE / RV / CAP(μF)	100VDC	250VDC	400VDC	630VDC
0.010	C1	C1	C1	C1
0.015				C2
0.022				
0.033	C2	C2	C2	C2
0.047				D2
0.068	C1	C1	D1	D2
0.1	C1	C1	D1	E2
0.15	C1	C2	D2	E3
0.22	C1	D1	E1	F1
0.33	C2	D2	E2	F2
0.47	D1	D2	E3	
0.68	D2	E2	E4	
1.0	D3	E2	F1	
1.5	E2	E4	F2	
2.2	E2	F1		
3.3	E4	F2		
4.7	F1			
6.8	F2			

DIM. / CASE	W	H	T	P ± 1	dØ
C1	13.0	9.0	4.0	10.0	0.6
C2	13.0	11.0	5.0	10.0	0.6
C3	13.0	12.0	6.0	10.0	0.6
D1	18.0	11.0	5.0	15.0	0.6
D2	18.0	12.0	6.0	15.0	0.8
D3	18.0	13.5	7.5	15.0	0.8
D4	18.0	14.5	8.5	15.0	0.8
E1	26.5	15.0	6.0	20.0	0.8
E2	26.5	16.5	7.0	20.0	0.8
E3	26.5	17.5	8.5	20.0	0.8
E4	26.5	19.0	10.0	20.0	0.8
F1	32.0	20.0	11.0	27.5	0.8
F2	32.0	22.0	13.0	27.5	0.8
F3	32.0	30.0	15.0	27.5	0.8

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

Specifications are subject to change without notice.