

Minibox Metallized Polyester Film Capacitors



EPEM Series
(5mm Lead Space)

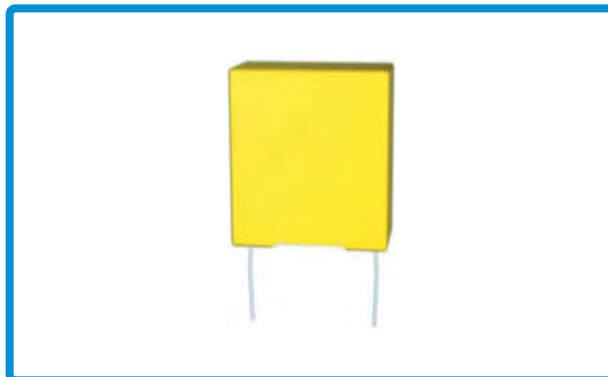
MERITEK

FEATURES

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

SPECIFICATIONS

1. Operating temperature: -40°C to +85 °C
2. Capacitance range: 0.001μF to 1.5μF
3. Capacitance tolerance: ±5%(J), ±10%(K), ±20%(M)
4. Rated voltage: 63VDC/50VAC, 100VDC/63VAC
5. Dissipation factor: ≤ 0.8% at 1 KHz and 20°C
6. Insulation resistance: ≥ 9000MΩ for C ≤ 0.33μF
≥ 3000MΩ • μF for C > 0.33μF



EPEM are constructed with a wound polyethylene terephthalate film dielectric, housed inside a plastic casing, which is sealed using epoxy resin. The leads are constructed with oxygen-free tinned copper wires. EPEM possess self-healing properties and are small in size. They are ideal for automatic insertion.

PART NUMBERING SYSTEM

EPEM 103 J 2A

Meritek Series

Capacitance

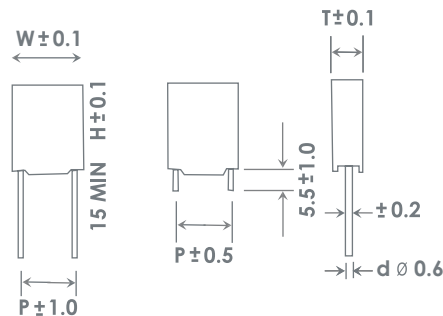
CODE	102	103	104	105
(pF)	1,000	10,000	100,000	
(nF)	1	10	100	1000
(μF)	0.001	0.01	0.1	1

Tolerance

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

Rated Voltage

CODE	1J	2A
	63VDC	100VDC



Tape & Reel / Tape & Ammo available
Please contact factory for part number

Dimensions in millimeters (mm)

RV DIM. CAP(μF)	63VDC/ 50VAC				100VDC/ 63VAC			
	W	H	T	P	W	H	T	P
0.0010	7.6	6.5	2.5	5.0	7.6	6.5	2.5	5.0
0.0012	7.6	6.5	2.5	5.0	7.6	6.5	2.5	5.0
0.0015	7.6	6.5	2.5	5.0	7.6	6.5	2.5	5.0
0.0018	7.6	6.5	2.5	5.0	7.6	6.5	2.5	5.0
0.0022	7.6	6.5	2.5	5.0	7.6	6.5	2.5	5.0
0.0027	7.6	6.5	2.5	5.0	7.6	6.5	2.5	5.0
0.0033	7.6	6.5	2.5	5.0	7.6	6.5	2.5	5.0
0.0039	7.6	6.5	2.5	5.0	7.6	6.5	2.5	5.0
0.0047	7.6	6.5	2.5	5.0	7.6	6.5	2.5	5.0
0.0056	7.6	6.5	2.5	5.0	7.6	6.5	2.5	5.0
0.0068	7.6	6.5	2.5	5.0	7.6	6.5	2.5	5.0
0.0082	7.6	6.5	2.5	5.0	7.6	6.5	2.5	5.0
0.010	7.6	6.5	2.5	5.0	7.6	6.5	2.5	5.0
0.012	7.6	6.5	2.5	5.0	7.6	6.5	2.5	5.0
0.015	7.6	6.5	2.5	5.0	7.6	6.5	2.5	5.0
0.018	7.6	6.5	2.5	5.0	7.6	6.5	2.5	5.0
0.022	7.6	6.5	2.5	5.0	7.6	6.5	2.5	5.0

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Dimensions in millimeters (mm)

RV	63VDC/ 50VAC				100VDC/ 63VAC			
DIM. CAP(μ F)	W	H	T	P	W	H	T	P
0.027	7.6	6.5	2.5	5.0	7.6	6.5	2.5	5.0
0.033	7.6	6.5	2.5	5.0	7.6	6.5	2.5	5.0
0.039	7.6	6.5	2.5	5.0	7.6	6.5	2.5	5.0
0.047	7.6	6.5	2.5	5.0	7.6	6.5	2.5	5.0
0.056	7.6	6.5	2.5	5.0	7.6	6.5	2.5	5.0
0.068	7.6	6.5	2.5	5.0	7.6	6.5	2.5	5.0
0.082	7.6	6.5	2.5	5.0	7.6	6.5	2.5	5.0
0.10	7.6	6.5	2.5	5.0	7.6	6.5	2.5	5.0
0.12	7.6	6.5/8.0	2.5/3.2	5.0	7.6	6.5/8.0	2.5/3.2	5.0
0.15	7.6	6.5/8.0	2.5/3.2	5.0	7.6	6.5/8.0	2.5/3.2	5.0
0.18	7.6	6.5/8.0	2.5/3.2	5.0	7.6	8.0	5.0	5.0
0.22	7.6	6.5/8.0	2.5/3.2	5.0	7.6	8.0	5.0	5.0
0.27	7.6	8.0	3.2/5.0	5.0	7.6	8.0	5.0	5.0
0.33	7.6	8.0	3.2/5.0	5.0	7.6	8.0	5.0	5.0
0.39	7.6	8.0	5.0	5.0	7.6	8.0/12.0	5.0/6.0	5.0
0.47	7.6	8.0	5.0	5.0	7.6	9.6/12.0	6.0	5.0
0.56	7.6	8.0	5.0	5.0	7.6	9.6/12.0	6.0	5.0
0.68	7.6	8.0/9.6	5.0/6.0	5.0	7.6	9.6/12.0	6.0	5.0
0.82	7.6	8.0/9.6	5.0/6.0	5.0	7.6	12.0	6.0	5.0
1.0	7.6	8.0/9.6	5.0/6.0	5.0	7.6	12.0	6.0	5.0

Custom values and tolerances available upon request