

Miniature Polyester Film Capacitors



PEIM Series
(Inductive)

MERITEK

FEATURES

- High moisture resistance
- Good solderability
- Available on tape and reel for automatic insertion
- ESR is minimized
- Very small size, low profile

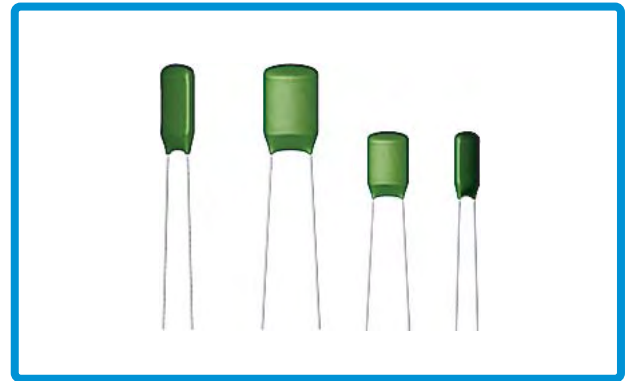
SPECIFICATIONS

1. Operating temperature: -40°C to 85°C
2. Capacitance range: $0.001\mu\text{F}$ to $0.22\mu\text{F}$
3. Capacitance tolerance: $\pm 5\%$ (J), $\pm 10\%$ (K), $\pm 20\%$ (M)
4. Rated voltage: 50VDC, 100VDC
5. Dissipation factor: 1.0% max. at 1KHz, 25°C
6. Insulation resistance: $>20000\text{M}\Omega$ ($C \leq 0.1\mu\text{F}$)
 $>2000\text{M}\Omega \cdot \mu\text{F}$ ($C > 0.1\mu\text{F}$)

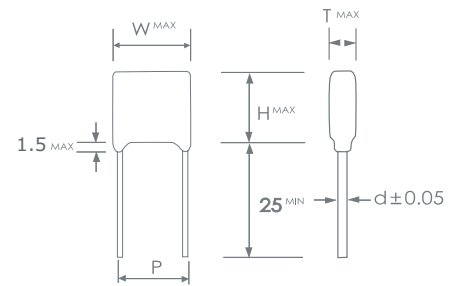
PART NUMBERING SYSTEM

Meritek Series	PEIM	473	J	2A
Capacitance				
CODE	102	103	104	
(pF)	1,000	10,000	100,000	
(nF)	1	10	100	
(μF)	0.001	0.01	0.1	
Tolerance				
CODE	J	K	M	
Tolerance (%)	± 5	± 10	± 20	
Rated Voltage				
CODE	1H	2A		
	50V	100V		

Tape & Reel Tape & Ammo available for lead space $\leq 10\text{ mm}$
Please contact factory for part number



PEIM are constructed with polyester film dielectric, aluminum foil electrodes, tinned copper leads, and inductive epoxy resin coating. Ideal applications include blocking, circuit isolation, bypassing, signal coupling, timing circuits, filtering, and other applications. PEIM are suitable for use in televisions, radios, tape recorders, stereo equipment, and other electronic devices.



Dimensions in millimeters (mm)

RV	50VDC/100VDC					RV	50VDC/100VDC				
DIM. CAP(μF)	W	H	T	P	dØ	DIM. CAP(μF)	W	H	T	P	dØ
0.001	6.5	8.0	3.5	3.5 $\pm$ 1.0	0.5	0.022	7.5	10.0	4.0	3.5 $\pm$ 1.0	0.5
0.0012	6.5	8.0	3.5	3.5 $\pm$ 1.0	0.5	0.027	7.5	10.0	4.0	3.5 $\pm$ 1.0	0.5
0.0015	6.5	8.0	4.0	3.5 $\pm$ 1.0	0.5	0.033	7.5	11.0	4.5	3.5 $\pm$ 1.0	0.5
0.0018	6.5	8.0	4.0	3.5 $\pm$ 1.0	0.5	0.039	7.5	11.0	4.5	3.5 $\pm$ 1.5	0.5
0.0022	6.5	8.0	4.0	3.5 $\pm$ 1.0	0.5	0.047	7.5	11.0	5.0	5.0 $\pm$ 1.5	0.5
0.0027	6.5	8.0	4.0	3.5 $\pm$ 1.0	0.5	0.056	8.0	11.0	5.0	5.0 $\pm$ 1.5	0.5
0.0033	6.5	8.0	4.0	3.5 $\pm$ 1.0	0.5	0.068	9.5	11.0	5.5	5.0 $\pm$ 1.5	0.5
0.0039	6.5	8.0	4.0	3.5 $\pm$ 1.0	0.5	0.082	9.5	11.0	5.5	5.0 $\pm$ 1.5	0.5
0.0047	6.5	9.0	4.0	3.5 $\pm$ 1.0	0.5	0.1	9.5	11.0	6.0	5.0 $\pm$ 1.5	0.5
0.0056	6.5	9.0	4.5	3.5 $\pm$ 1.0	0.5	0.15	12.0	13.0	7.0	6.0 $\pm$ 1.5	0.6
0.0068	7.0	9.0	4.5	3.5 $\pm$ 1.0	0.5	0.22	15.0	14.0	8.0	6.5 $\pm$ 1.5	0.6
0.0082	7.0	9.0	4.5	3.5 $\pm$ 1.0	0.5						
0.010	7.0	9.0	4.5	3.5 $\pm$ 1.0	0.5						
0.012	7.0	9.0	4.5	3.5 $\pm$ 1.0	0.5						
0.015	7.0	9.0	5.0	3.5 $\pm$ 1.0	0.5						
0.018	7.0	9.0	5.0	3.5 $\pm$ 1.0	0.5						

Custom sizes and lead spacing available upon request

Custom values and tolerances available upon request

Specifications are subject to change without notice.