

Miniature Polyester Film Capacitors



PEIM Series
(Inductive)

MERITEK

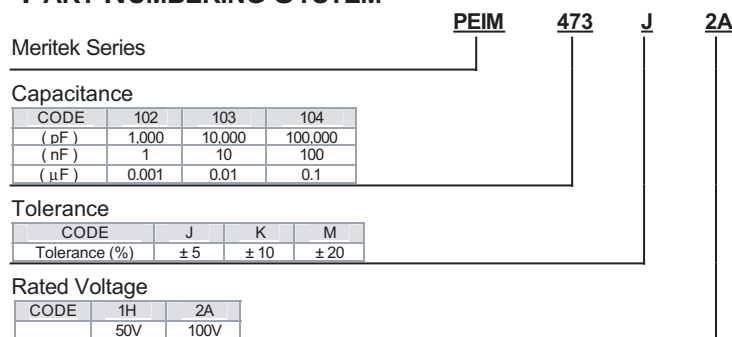
FEATURES

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

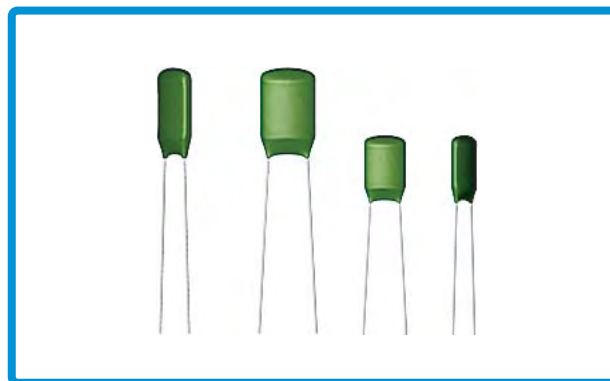
SPECIFICATIONS

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: $>20000\text{M}\Omega$ ($C \leq 0.1\mu\text{F}$)
 $>2000\text{M}\Omega \cdot \mu\text{F}$ ($C > 0.1\mu\text{F}$)

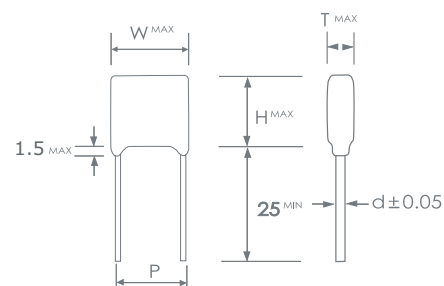
PART NUMBERING SYSTEM



Tape & Reel Tape & Ammo available for lead space ≤ 10 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 | d \emptyset | DIM. CAP(μF) | W | H | T | P | d \emptyset |
| 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.