

# Metallized Polypropylene Film Capacitors - AC use



AMPP Series  
(Radial Dipped)

MERITEK

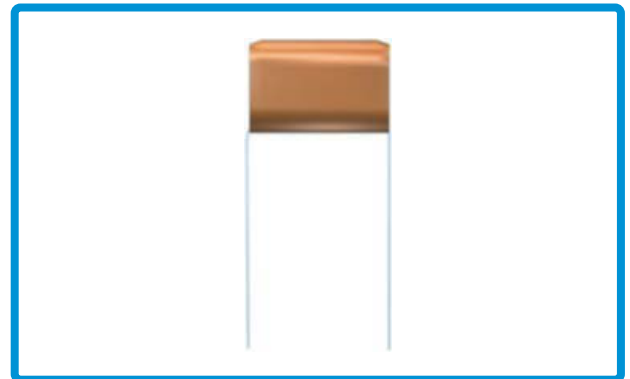
## FEATURES

- Very low loss, excellent frequency and temperature characteristics, high insulation resistance
- High reliability due to self-healing properties
- Non-inductive construction
- Flame retardant epoxy resin coating  
(In compliance with UL 94V-0)

## SPECIFICATIONS

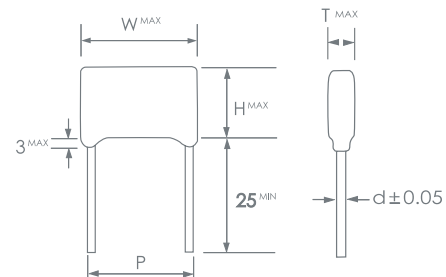
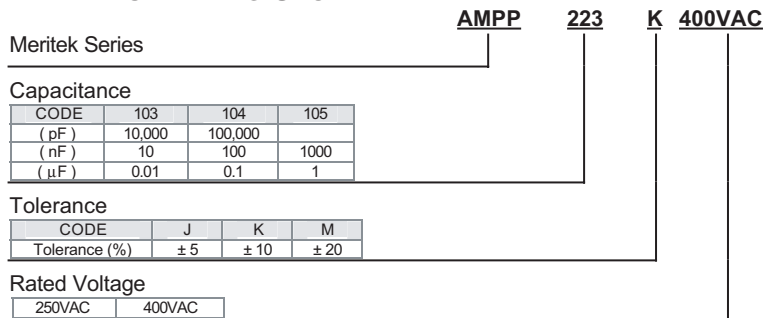
1. Operating temperature: -40°C to +105°C
2. Capacitance range: 0.01μF to 1.0μF
3. Capacitance tolerance: ±5%(J), ±10%(K), ±20%(M)
4. Rated voltage: 250VAC, 400VAC
5. Dissipation factor: 0.1% max. at 1KHz, 25°C
6. Insulation resistance:  $C_R \leq 33\mu\text{F}$ ,  $\geq 50000\text{M}\Omega$   
 $C_R > 0.33\mu\text{F}$ ,  $\geq 16000\text{ s}$

\*Voltage derated at operating temperature >85°C



AMPP are constructed with metallized polypropylene film dielectric, tinned copper leads, and flame retardant epoxy resin coating. They are suitable for use in AC circuits wherein low loss and small inherent temperature rise are important, e.g. across-the-line.

## PART NUMBERING SYSTEM



Dimensions in millimeters (mm)

| Rated Voltage<br>DIM<br>CAP(μF) | 250VAC |      |      |        |     | 400VAC |      |      |        |     |
|---------------------------------|--------|------|------|--------|-----|--------|------|------|--------|-----|
|                                 | W      | H    | T    | P± 1.5 | dØ  | W      | H    | T    | P± 1.5 | dØ  |
| 0.01                            | 12.5   | 11.0 | 7.0  | 10.0   | 0.6 | 15.5   | 11.5 | 6.0  | 11.0   | 0.6 |
| 0.012                           | 13.0   | 10.5 | 6.0  | 8.5    | 0.6 | 15.5   | 12.0 | 6.5  | 11.0   | 0.6 |
| 0.015                           | 12.5   | 11.0 | 6.5  | 8.5    | 0.6 | 15.5   | 12.5 | 7.0  | 11.0   | 0.6 |
| 0.018                           | 12.5   | 11.0 | 7.0  | 8.5    | 0.6 | 15.5   | 13.0 | 7.5  | 11.0   | 0.6 |
| 0.022                           | 12.5   | 12.0 | 8.0  | 8.5    | 0.6 | 15.5   | 13.5 | 8.0  | 11.0   | 0.6 |
| 0.027                           | 15.5   | 12.0 | 6.5  | 11.0   | 0.6 | 20.0   | 13.0 | 7.5  | 15.0   | 0.6 |
| 0.033                           | 15.5   | 12.5 | 6.5  | 11.0   | 0.6 | 20.0   | 13.5 | 7.5  | 15.0   | 0.6 |
| 0.039                           | 15.5   | 13.0 | 7.5  | 11.0   | 0.6 | 20.0   | 14.0 | 8.0  | 15.0   | 0.6 |
| 0.047                           | 15.5   | 13.5 | 8.0  | 11.0   | 0.6 | 20.0   | 15.5 | 9.5  | 15.0   | 0.6 |
| 0.056                           | 15.5   | 14.5 | 8.5  | 11.0   | 0.6 | 20.0   | 17.0 | 9.5  | 15.0   | 0.8 |
| 0.068                           | 20.0   | 14.0 | 7.0  | 15.0   | 0.8 | 26.0   | 16.0 | 8.0  | 21.0   | 0.8 |
| 0.082                           | 20.0   | 15.5 | 8.0  | 15.0   | 0.6 | 26.0   | 17.0 | 9.5  | 21.0   | 0.8 |
| 0.10                            | 20.0   | 16.0 | 8.5  | 15.0   | 0.6 | 26.0   | 17.5 | 10.0 | 21.0   | 0.8 |
| 0.12                            | 20.0   | 17.0 | 9.5  | 15.0   | 0.6 | 26.0   | 18.5 | 11.0 | 21.0   | 0.8 |
| 0.15                            | 20.0   | 17.5 | 10.0 | 15.0   | 0.6 | 26.0   | 19.0 | 12.0 | 21.0   | 0.8 |
| 0.18                            | 26.0   | 17.5 | 8.5  | 21.0   | 0.8 | 26.0   | 20.0 | 12.5 | 21.0   | 0.8 |
| 0.22                            | 26.0   | 18.0 | 9.5  | 21.0   | 0.8 | 31.0   | 21.5 | 11.0 | 26.0   | 0.8 |
| 0.27                            | 26.0   | 19.0 | 10.0 | 21.0   | 0.8 | 31.0   | 23.0 | 12.5 | 26.0   | 0.8 |
| 0.33                            | 26.0   | 20.0 | 11.0 | 21.0   | 0.8 | 31.0   | 24.0 | 13.5 | 26.0   | 0.8 |
| 0.39                            | 31.0   | 19.5 | 10.5 | 26.0   | 0.8 | 36.0   | 24.5 | 13.5 | 31.0   | 0.8 |
| 0.47                            | 31.0   | 21.0 | 11.0 | 26.0   | 0.8 | 36.0   | 24.5 | 14.0 | 31.0   | 0.8 |
| 0.56                            | 31.0   | 22.0 | 12.0 | 26.0   | 0.8 |        |      |      |        |     |
| 0.68                            | 31.0   | 23.5 | 13.0 | 26.0   | 0.8 |        |      |      |        |     |
| 0.82                            | 36.0   | 24.0 | 13.5 | 31.0   | 0.8 |        |      |      |        |     |
| 1.0                             | 36.0   | 24.5 | 13.5 | 31.0   | 0.8 |        |      |      |        |     |