

Metallized Polypropylene Film Capacitors - AC use



AMPP Series
(Radial Dipped)

MERITEK

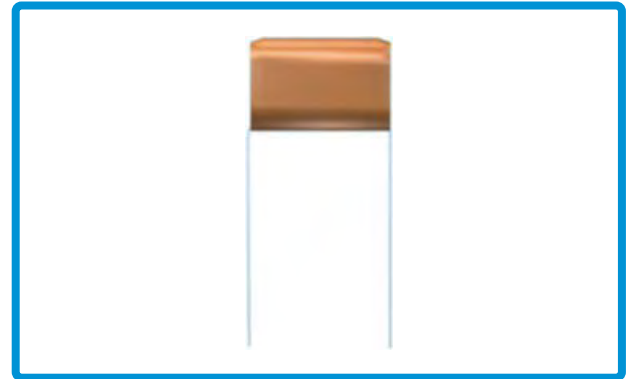
FEATURES

- 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: $C_R \leq 33\mu F, \geq 50000M\Omega$
 $C_R > 0.33\mu F, \geq 16000 s$

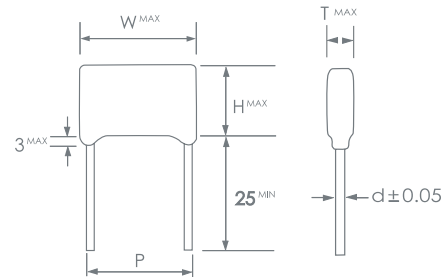
*Voltage derated at operating temperature >85°C



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

Meritek Series	AMPP	223	K	400VAC
Capacitance				
CODE	103	104	105	
(pF)	10,000	100,000		
(nF)	10	100	1000	
(μF)	0.01	0.1	1	
Tolerance				
CODE	J	K	M	
Tolerance (%)	± 5	± 10	± 20	
Rated Voltage				
250VAC	400VAC			



Dimensions in millimeters (mm)

Rated Voltage	250VAC					400VAC				
DIM	W	H	T	P± 1.5	dØ	W	H	T	P± 1.5	dØ
CAP(μF)										
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					