Metallized Polypropylene Film Capacitors

RoHS

DMPP Series (Radial Dipped)

MERITEK

FEATURES

- Low dissipation factor and high insulation resistance
- High stability of capacitance and DF versus temperature and frequency
- Non-inductive construction
- Self-healing properties
- Flame retardant epoxy resin coating



SPECIFICATIONS

1. Operating temperature: -55°C to +105°C
2. Capacitance range: 0.01μF to 3.3μF
3. Capacitance tolerance: ±5%(J), ±10%(K), ±20%(M)
4. Rated voltage: 100VDC, 250VDC, 400VDC, 630VDC
5. Dissipation factor: 0.1% max. at 1KHz, 25°C
6. Insulation resistance: >30000MΩ (C ≤ 0.33μF)
   >10000MΩ • μF (C > 0.33μF)

**Voltage derated at operating temperature >85°C*

DMPP are constructed with metallized polypropylene film dielectric, tinned copper leads, and an epoxy resin coating. They are suitable for blocking, bypassing, coupling and decoupling, filtering, timing, tuning, and temperature compensation. DMPP are ideal for use in telecommunication equipment, data processing equipment, industrial instruments, automatic control systems, and other devices.

PART NUMBERING SYSTEM

DMPP 103 J 2A

Meritek Series

Capacitance

CODE	103	104	105	106
(pF)	10,000	100,000		
(nF)	10	100	1000	
(μF)	0.01	0.1	1	10

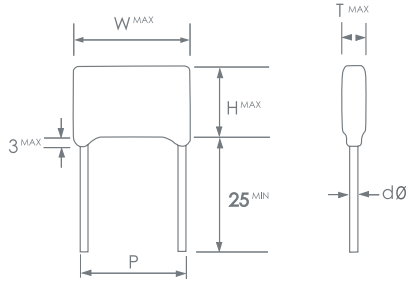
Tolerance

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

Rated Voltage

CODE	1H	2A	2E	2G	2J
	50V	100V	250V	400V	630V

Tape & Reel/Tape & Ammo available for lead space ≤ 10 mm
Please contact factory for part number.



Dimensions in millimeters (mm)

Rated Voltage	50VDC/100VDC					250VDC					400VDC					630VDC				
DIM. / CAP(μF)	W	H	T	P±1	dØ	W	H	T	P±1	dØ	W	H	T	P±1	dØ	W	H	T	P±1	dØ
0.01	14.0	11.0	7.0	10.0	0.6	14.0	11.0	7.0	10.0	0.6	14.0	11.0	7.0	10.0	0.6	14.0	11.0	7.0	10.0	0.6
0.015	14.0	11.0	7.0	10.0	0.6	14.0	11.0	7.0	10.0	0.6	14.0	11.0	7.0	10.0	0.6	14.0	13.0	7.0	10.0	0.6
0.022	14.0	11.0	7.0	10.0	0.6	14.0	11.0	7.0	10.0	0.6	14.0	11.0	7.0	10.0	0.6	20.0	13.0	7.0	15.0	0.6
0.033	14.0	12.0	8.0	10.0	0.6	14.0	12.0	8.0	10.0	0.6	14.0	12.0	8.0	10.0	0.6	20.0	13.0	8.0	15.0	0.6
0.047	14.0	11.0	7.0	10.0	0.6	14.0	12.0	8.0	10.0	0.6	20.0	13.0	8.0	15.0	0.6	20.0	14.5	9.0	15.0	0.6
0.068	14.0	11.0	7.0	10.0	0.6	14.0	11.0	7.0	10.0	0.6	20.0	13.0	8.0	15.0	0.6	26.0	14.5	9.0	21.0	0.8
0.1	14.0	10.0	6.0	10.0	0.6	14.0	11.0	8.0	10.0	0.6	20.0	13.0	8.0	15.0	0.8	26.0	16.0	10.0	21.0	0.8
0.15	18.0	12.0	7.0	15.0	0.6	20.0	12.5	8.0	15.0	0.8	26.0	14.5	8.0	22.5	0.8	26.0	18.0	11.5	21.0	0.8
0.22	18.0	12.0	7.0	15.0	0.8	20.0	13.0	9.0	15.0	0.8	26.0	15.0	10.0	22.5	0.8	32.0	20.0	11.5	27.5	0.8
0.33	18.0	13.0	8.0	15.0	0.8	20.0	15.0	10.0	15.0	0.8	26.0	19.0	11.0	22.5	0.8	32.0	22.0	13.0	27.5	0.8
0.47	18.0	15.0	10.0	15.0	0.8	26.0	16.0	10.0	20.0	0.8	32.0	18.0	11.0	27.5	0.8	32.0	24.0	15.0	27.5	0.8
0.56	18.0	17.0	12.0	15.0	0.8	26.0	17.0	10.5	20.0	0.8	32.0	20.0	11.5	27.5	0.8	36.0	25.5	17.5	31.0	0.8
0.68	24.0	16.0	9.5	20.0	0.8	26.0	19.0	11.0	20.0	0.8	32.0	21.5	12.0	27.5	0.8	36.0	26.0	18.0	31.0	0.8
1.0	24.0	17.5	11.0	20.0	0.8	32.0	20.0	11.5	27.5	0.8	32.0	25.0	16.0	27.5	0.8					
1.5	32.0	18.0	12.0	27.5	0.8	32.0	22.5	13.5	27.5	0.8										
2.2	32.0	20.0	12.0	27.5	0.8	32.0	24.0	15.0	27.5	0.8										
3.3	32.0	24.0	16.0	27.5	0.8	36.0	27.0	17.0	31.0	0.8										

Custom sizes and lead spacing available upon request
Custom values and tolerances available upon request