Hi-Voltage Metallized Polypropylene Film Capacitors

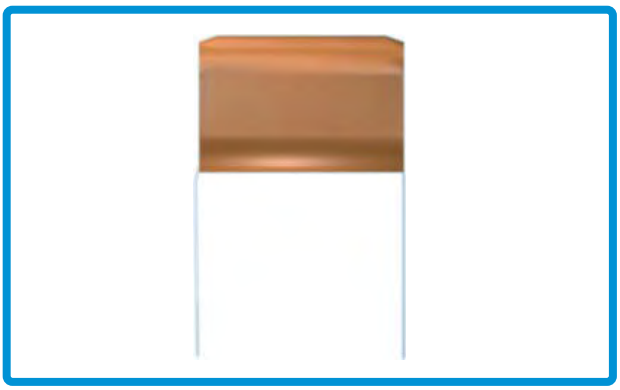
RoHS

MPPS Series (Radial Dipped)

MERITEK

FEATURES

- Very low loss, small inherent temperature rise
- Non-inductive construction
- Temperature coefficient of capacitance is negative and nearly constant
- High insulation resistance
- Flame retardant epoxy resin coating (in compliance with UL94V-0)



SPECIFICATIONS

1.	Operating temperature	-40°C to +105°C
2.	Capacitance range:	0.001μF to 0.022μF
3.	Capacitance tolerance:	±5%(J), ±10%(K)
4.	Rated voltage:	1000VDC, 1200VDC, 1600VDC, 2000VDC
5.	Dissipation factor:	0.1% max. at 1KHz, 20°C 0.2% max. at 10KHz, 20°C
6.	Insulation resistance:	>50000MΩ

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

MPPS are constructed with metallized polypropylene film dielectric, metal foil electrodes, tinned copper leads, and flame retardant epoxy resin coating. They are suitable for high voltage and pulse in horizontal resonance circuits as commonly found in televisions, due to their small size, high reliability, large current load capability,

PART NUMBERING SYSTEM

MPPS **332** **K** **3A**

Meritek Series

Capacitance

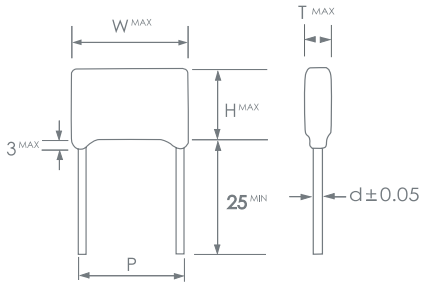
CODE	102	103	104
(pF)	1,000	10,000	100,000
(nF)	1	10	100
(μF)	0.001	0.01	0.1

Tolerance

CODE	J	K
Tolerance (%)	± 5	± 10

Rated Voltage

CODE	3A	1K2	3C	3D
	1000V	1200V	1600	2000



Rated Voltage	1000/1200VDC				1600VDC				2000VDC			
DIM. / CAP(μF)	W	T	H	P±1.5	W	T	H	P±1.5	W	T	H	P±1.5
0.0010	19.0	7.0	12.0	15.0	25.0	7.0	11.0	21.0	25.0	8.5	14.0	21.0
0.0012	19.0	7.5	12.5	15.0	25.0	7.0	11.0	21.0	25.0	9.0	15.0	21.0
0.0015	19.0	8.0	13.0	15.0	25.0	7.5	11.5	21.0	25.0	9.5	15.5	21.0
0.0016	19.0	8.0	13.0	15.0	25.0	8.0	12.0	21.0	25.0	9.5	15.5	21.0
0.0018	19.0	8.5	13.5	15.0	25.0	8.0	12.5	21.0	25.0	9.5	16.0	21.0
0.0020	19.0	8.5	14.0	15.0	25.0	8.0	13.0	21.0	25.0	10.0	16.5	21.0
0.0024	25.0	8.5	13.0	21.0	25.0	8.5	14.0	21.0	25.0	10.5	17.0	21.0
0.0027	25.0	8.5	13.0	21.0	25.0	8.5	15.0	21.0	25.0	11.0	17.5	21.0
0.0030	25.0	8.5	13.0	21.0	25.0	8.5	16.0	21.0	25.0	11.0	18.0	21.0
0.0033	25.0	8.5	13.0	21.0	25.0	9.0	16.5	21.0	25.0	11.5	18.5	21.0
0.0036	25.0	8.5	13.0	21.0	25.0	10.0	17.0	21.0	25.0	12.0	19.0	21.0
0.0039	25.0	8.5	14.0	21.0	25.0	11.0	18.0	21.0	32.0	10.0	17.5	27.5
0.0043	25.0	9.0	14.0	21.0	25.0	10.5	18.0	21.0	32.0	10.5	18.0	27.5
0.0047	25.0	9.0	14.0	21.0	25.0	11.0	18.0	21.0	32.0	11.0	19.0	27.5
0.0056	25.0	9.0	14.5	21.0	25.0	12.0	19.5	21.0	32.0	12.0	20.0	27.5
0.0068	25.0	10.0	15.5	21.0	25.0	13.0	22.0	21.0	32.0	13.0	21.0	27.5
0.0075	25.0	10.0	16.0	21.0	32.0	11.5	19.0	27.5	32.0	13.5	22.5	27.5
0.0082	25.0	10.5	16.0	21.0	32.0	12.0	19.0	27.5	32.0	14.0	23.0	27.5
0.010	25.0	11.5	18.0	21.0	32.0	12.0	19.0	27.5	32.0	15.0	25.0	27.5
0.012	25.0	12.5	21.5	21.0	32.0	13.0	22.0	27.5				
0.015	25.0	13.5	22.0	21.0	32.0	14.0	23.5	27.5				
0.016	32.0	12.5	20.5	27.5								
0.018	32.0	13.0	21.0	27.5								
0.020	32.0	14.0	22.0	27.5								
0.022	32.0	14.0	23.0	27.5								