METALIZED POLYPROPYLENE FILM CAPACITORS
MPPS Series: High Voltage Radial Dipped

RFE INTERNATIONAL

INTRODUCTION

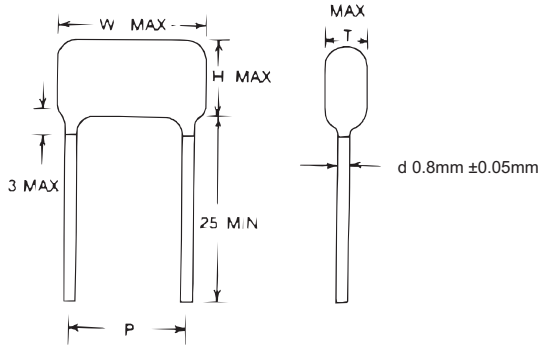
MPPS Series are constructed with metalized polypropylene film dielectric. They are non-inductively wound, have tinned copper leads and flame retardant epoxy.
They are ideal for high frequency and high pulse applications, such as electronic ballast, switching power supplies, etc.

FEATURES

- Very low loss
- High Reliability and excellent long term stability
- Low DF, low temperature rise
- High corona starting voltage (csv)
- High Current Rating, high dv/dt
- Flame retardant epoxy resin coating (compliant to UL 94V-0)
- Self healing properties

SPECIFICATIONS

Type	Performance
Operating Temperature Range	-40°C ~ +85°C
Capacitance Range	0.001 ~ 0.068 μF
Capacitance Tolerance	±5% (J), ±10% (K)
Rated Voltage	1000VDC 1600VDC, 2000VDC
Dissipation Factor	0.1% max at 1KHz, 20°C
Insulation Resistance (100VDC for 1 minute)	>50000M , 25°C



DV/DT

Voltage	15 to 17.5 mm Lead space	20 to 22.5 mm Lead Space
1000V	500V/ s	300V/ s
1600V	800V/ s	600V/ s
2000V		1000V/ s

DIMENSIONS

F	W.V. Code	1000VDC (3A) W	H	T	P±1	d	1600VDC (3C) W	H	T	P±1	d	2000VDC (3D) W	H	T	P±1	d
0.0010	102	18.5	11.0	7.5	15.0	0.8	18.5	11.0	7.5	15.0	0.8	18.5	13.0	8.0	15.0	0.8
0.0012	122	18.5	11.5	8.0	15.0	0.8	18.5	11.5	8.0	15.0	0.8	18.5	13.5	8.5	15.0	0.8
0.0015	152	18.5	13.0	8.0	15.0	0.8	18.5	13.0	8.0	15.0	0.8	18.5	14.5	9.0	15.0	0.8
0.0018	182	18.5	13.5	8.0	15.0	0.8	18.5	13.5	8.0	15.0	0.8	18.5	15.0	9.5	15.0	0.8
0.0022	222	18.5	10.0	6.5	15.0	0.8	18.5	14.0	9.0	15.0	0.8	22.0	14.5	9.5	17.5	0.8
0.0027	272	18.5	10.5	7.0	15.0	0.8	18.5	16.0	9.0	15.0	0.8	22.0	15.0	10.0	17.5	0.8
0.0033	332	18.5	11.0	7.5	15.0	0.8	22.0	14.0	9.0	17.5	0.8	22.0	17.5	10.5	17.5	0.8
0.0039	392	18.5	11.5	8.0	15.0	0.8	22.0	14.5	9.5	17.5	0.8	22.0	17.5	11.0	17.5	0.8
0.0047	472	18.5	12.0	8.0	15.0	0.8	22.0	15.0	10.0	17.5	0.8	22.0	18.5	12.0	17.5	0.8
0.0056	562	18.5	13.0	8.0	15.0	0.8	22.0	16.0	10.5	17.5	0.8	22.0	19.5	12.5	17.5	0.8
0.0068	682	18.5	14.0	9.0	15.0	0.8	22.0	17.5	11.0	17.5	0.8	23.5	19.0	11.5	20.0	0.8
0.0082	822	18.5	15.0	9.5	15.0	0.8	22.0	18.5	12.0	17.5	0.8	23.5	19.5	13.0	20.0	0.8
0.0100	103	18.5	15.0	10.0	15.0	0.8	23.5	17.5	12.5	20.0	0.8	23.5	22.0	13.0	20.0	0.8
0.0120	123	18.5	16.0	11.0	17.5	0.8	23.5	18.0	13.0	20.0	0.8	23.5	23.0	14.0	20.0	0.8
0.0150	153	22.0	15.5	10.5	17.5	0.8	23.5	20.5	14.0	20.0	0.8	26.5	23.0	14.5	22.5	0.8
0.0160	163	22.0	17.0	11.0	17.5	0.8	23.5	22.5	15.0	20.0	0.8	26.5	24.0	16.0	22.5	0.8
0.0220	223	22.0	18.0	11.5	20.0	0.8	26.5	22.5	15.0	22.5	0.8	26.5	25.5	17.5	22.5	0.8
0.0270	273	23.5	18.0	11.0	20.0	0.8	26.5	24.5	15.5	22.5	0.8					
0.0330	333	23.5	19.0	12.0	20.0	0.8	26.5	27.0	16.5	22.5	0.8					
0.0390	393	23.5	20.0	12.0	20.0	0.8										
0.0470	473	23.5	21.5	13.0	20.0	0.8										
0.0560	563	26.5	22.0	13.0	22.5	0.8										
0.0680	683	26.5	22.5	14.0	22.5	0.8										

PART NUMBER EXAMPLE MPPS 472 K 3B

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