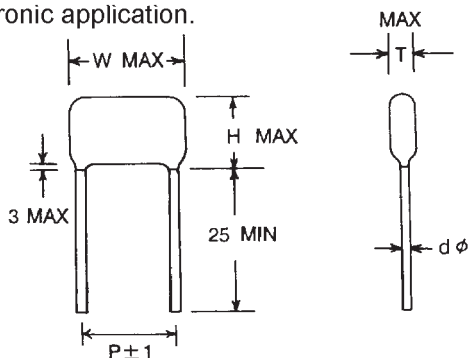


**INTRODUCTION**

MD Series are constructed with metalized polyester film dielectric, copperplated lead and epoxy resin coating. They are suitable for blocking, coupling, decoupling, filtering, bypass timing circuit and ideal for use in data / telecom equipment, industrial instrument, automatic control systems and other general electronic application.



**FEATURES**

- High moisture resistance
- Good solderability
- Non-inductive construction and
- Self-healing property

**SPECIFICATIONS**

Item	Performance
Operating Temperature Range	-40°C ~ 85°C
Capacitance Range	0.01μF ~ 10μF
Capacitance Tolerance	± 5% (J), + 10% (K), + 20% (M)
Rated Voltage	50/63Vdc, 10Vdc, 250Vdc, 400Vdc, 630Vdc
Dissipation Factor	1.0% (0.01) max @ 1Khz, 25°C
Insulation Resistance	>30000MΩ (C≤0.33μF) >100000MΩ μF (C>0.33μF)

**PART NUMBER EXAMPLE**

**MD 104 M 2E 100 B 250 S**

**DIMENSIONS (mm)**

W.V. (μF)	Code	(1H/1J) 50/63VDC					(2A) 100V					(2E) 250V					(2G) 400V					(2J) 630V					
		W	H	T	P±1	d	W	H	T	P±1	d	W	H	T	P±1	d	W	H	T	P±1	d	W	H	T	P±1	d	
0.010	103	10.5	9.0	5.5	7.5	0.6	11.0	9.5	5.5	7.5	0.6	11.0	9.5	5.5	7.5	0.6	11.0	9.5	5.5	7.5	0.6	13.0	9.0	5.0	10.0	0.6	
0.010	103						13.0	9.5	6.0	10.0	0.6						13.0	9.5	6.0	10.0	0.6						
0.012	123	10.5	9.5	6.0	7.5	0.6	11.0	10.0	6.0	7.5	0.6	11.0	1.0	6.0	7.5	0.6	11.0	10.0	6.0	7.5	0.6	13.0	9.0	5.0	10.0	0.6	
0.015	153	10.5	9.5	6.0	7.5	0.6	11.0	10.0	6.0	7.5	0.6	11.0	1.0	6.0	7.5	0.6	11.0	10.0	6.0	7.5	0.6	13.0	9.5	5.5	10.0	0.6	
0.018	183	10.5	9.5	6.0	7.5	0.6	11.0	10.5	6.5	7.5	0.6	11.0	10.5	6.5	7.5	0.6	11.0	10.5	6.5	7.5	0.6	13.0	10.0	6.0	10.0	0.6	
0.022	223	10.5	9.5	6.0	7.5	0.6	11.0	9.5	5.5	7.5	0.6	11.0	9.5	5.5	7.5	0.6	11.0	9.5	5.5	7.5	0.6	13.0	10.0	6.0	10.0	0.6	
0.022	223																13.0	10.0	6.5	10.0	0.6						
0.027	273	10.5	9.5	6.0	7.5	0.6	11.0	10.0	5.5	7.5	0.6	11.0	10.0	6.0	7.5	0.6	11.0	10.0	6.0	7.5	0.6	13.0	10.5	6.5	10.0	0.6	
0.033	333	10.5	9.5	6.0	7.5	0.6	11.0	9.0	5.0	7.5	0.6	11.0	9.0	5.0	7.5	0.6	11.0	10.0	6.0	7.5	0.6	13.0	11.0	7.0	10.0	0.6	
0.039	393	10.5	9.5	6.0	7.5	0.6	11.0	9.5	5.0	7.5	0.6	11.0	9.5	5.0	7.5	0.6	11.0	10.5	6.5	7.5	0.6	13.0	11.5	7.0	10.0	0.6	
0.047	473	10.5	9.5	6.0	7.5	0.6	11.0	9.5	5.5	7.5	0.6	11.0	9.5	5.5	7.5	0.6	11.0	11.0	7.0	7.5	0.6	17.0	12.0	7.0	12.5	0.6	
0.047	473																13.0	11.0	7.5	10.0	0.6						
0.056	563	10.5	9.5	6.0	7.5	0.6	11.0	10.0	5.5	7.5	0.6	11.0	10.0	6.0	7.5	0.6	11.0	11.0	6.0	10.0	0.6	17.0	12.5	7.5	12.5	0.6	
0.056	563											13.5	10.0	7.0	10.0	0.6						19.0	14.0	8.5	15.0	0.8	
0.068	683	10.5	9.5	6.0	7.5	0.6	11.0	9.5	5.5	7.5	0.6	11.0	9.5	5.5	7.5	0.6	13.0	11.5	6.5	10.0	0.6	17.0	13.0	8.0	12.5	0.6	
0.068	683																					19.0	15.0	9.0	15.0	0.8	
0.0820	823	10.5	9.5	6.0	7.5	0.6	11.0	9.5	6.0	7.5	0.6	11.0	9.5	6.0	7.5	0.6	13.0	12.0	7.0	10.0	0.6	17.0	13.5	8.5	15.0	0.6	
0.100	104	10.5	9.5	6.0	7.5	0.6	11.0	9.0	5.0	7.5	0.6	11.0	10.0	6.0	7.5	0.6	13.0	12.0	7.0	10.0	0.8	19.0	14.0	8.0	15.0	0.8	
0.100	104											13.5	10.0	6.5	10.0	0.6	18.0	12.5	7.0	15.0	0.6						
0.120	124	10.5	10.5	7.0	7.5	0.6	11.0	9.0	5.0	7.5	0.6	11.0	10.5	6.5	7.5	0.6	13.0	13.0	8.0	15.0	0.8	19.0	14.5	9.0	15.0	0.8	
0.150	154	10.5	10.5	7.0	7.5	0.6	11.0	9.0	5.0	7.5	0.6	11.0	11.0	7.0	7.5	0.6	13.0	12.0	7.5	15.0	0.8	19.0	15.0	9.5	15.0	0.8	
0.180	184	10.5	10.5	7.0	7.5	0.6	11.0	9.5	5.5	7.5	0.6	13.0	11.0	6.0	10.0	0.6	19.0	13.0	8.0	15.0	0.8	19.0	16.0	10.0	15.0	0.8	
0.220	224	10.5	10.5	7.0	7.5	0.6	11.0	10.0	6.0	7.5	0.6	13.0	11.5	6.5	10.0	0.6	19.0	14.0	8.0	15.0	0.8	19.0	17.0	11.0	20.0	0.8	
0.270	274	10.5	11.0	8.0	7.5	0.6	11.0	10.0	6.0	7.5	0.6	13.0	12.0	7.0	10.0	0.6	19.0	14.5	9.0	15.0	0.8	24.0	17.0	10.0	20.0	0.8	
0.330	334	10.5	11.0	8.0	7.5	0.6	13.0	10.5	6.0	10.0	0.6	13.0	13.0	7.0	10.0	0.6	19.0	15.0	9.5	15.0	0.8	24.0	18.0	10.4	20.0	0.8	
0.330	334											18.5	13.0	8.0	15.0	0.6											
0.390	394	10.5	11.5	8.0	7.5	0.6	13.0	11.0	6.0	10.0	0.6	19.0	12.5	6.5	15.0	0.6	19.0	16.0	10.0	15.0	0.8	24.0	19.0	11.5	20.0	0.8	
0.470	474	10.5	11.5	8.0	7.5	0.6	13.0	11.5	6.5	10.0	0.6	19.0	13.0	7.0	15.0	0.8	19.0	17.0	11.0	15.0	0.8	29.0	19.0	10.5	25.0	0.8	
0.560	564	13.0	11.5	7.0	10.0	0.6	13.0	12.0	7.0	10.0	0.6	19.0	13.0	7.5	15.0	0.8	19.0	16.0	10.0	20.0	0.8	29.0	20.0	11.0	25.0	0.8	
0.680	684	13.0	11.5	7.0	10.0	0.6	19.0	12.0	6.5	15.0	0.6	19.0	14.0	8.0	15.0	0.8	24.0	17.0	11.0	20.0	0.8	29.0	21.0	12.5	25.0	0.8	
0.820	824	13.0	12.5	7.0	10.0	0.6	19.0	13.0	7.0	15.0	0.6	19.0	14.5	9.0	15.0	0.8	24.0	18.0	12.0	20.0	0.8	29.0	22.5	13.5	25.0	0.8	
1.000	105	13.0	12.5	7.0	10.0	0.8	19.0	13.0	7.5	15.0	0.8	19.0	15.0	9.5	15.0	0.8	24.0	18.0	11.0	25.0	0.8	34.0	22.5	13.5	30.0	0.8	
1.200	125	18.5	14.0	8.0	15.0	0.8	19.0	14.0	8.0	15.0	0.8	24.0	14.5	9.0	20.0	0.8	29.0	19.0	12.0	25.0	0.8	34.0	23.5	15.0	30.0	0.8	
1.500	155	18.5	14.0	8.0	15.0	0.8	19.0	14.5	9.0	15.0	0.8	24.0	15.0	9.5	20.0	0.8	29.0	20.5	13.0	25.0	0.8	34.0	25.0	16.0	30.0	0.8	
1.800	185	18.5	15.0	10.0	15.0	0.8	19.0	15.0	9.5	15.0	0.8	24.0	17.0	10.0	20.0	0.8	29.0	21.0	12.5	30.0	0.8	34.0	27.0	18.0	30.0	0.8	
2.200	225	18.5	15.0	10.0	15.0	0.8	24.0	15.5	8.5	20.0	0.8	24.0	18.0	10.5	20.0	0.8	34.0	22.5	14.0	30.0	0.8	34.0	28.5	20.0	30.0	0.8	
2.700	275	24.0	19.5	11.0	20.0	0.8	24.0	16.0	9.0	20.0	0.8	24.0	19.0	12.0	20.0	0.8	34.0	24.0	15.0	30.0	0.8						
3.300	335	24.0	19.5	11.0	20.0	0.8	24.0	17.0	10.0	20.0	0.8	29.0	19.0	11.5	25.0	0.8	34.0	25.5	17.0	30.0	0.8						
3.900	395	24.0	18.0	10.5	20.0	0.8	24.0	18.0	10.5	20.0	0.8	29.0	19.5	12.0	25.0	0.8	34.0	27.0	18.0	30.0	0.8						
4.700	475	29.0	18.0	10.5	25.0	0.8	29.0	18.0	10.5	25.0	0.8	29.0	21.0	13.5	25.0	0.8	34.0	29.0	20.0	30.0	0.8						
5.600	565						29.0	18.5	11.0	25.0	0.8	34.0	20.5	13.0	30.0	0.8											
6.800	685	29.0	19.5	12.0	25.0	0.8	29.0	19.5	12.0	25.0	0.8	34.0	22.5	14.0	30.0	0.8											
8.200	825						29.0	20.5	13.0	25.0	0.8	34.0	24.0	15.0	30.0	0.8											
10.000	106	29.0	22.0	14.5	25.0	0.8	29.0	22.0	14.5	25.0	0.8	34.0	25.5	16.5	30.0	0.8											

\* Special sizes or configurations may be available. Contact RFE for details.