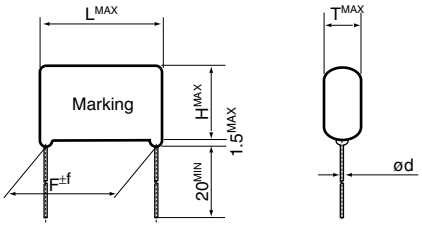
MDD-HF Series (High-frequency Current, Resin Dip Type PPS Film Capacitors)

PPS film based, dip type film capacitors which are developed on the basis of the MDD capacitor production technology to offer increased heat resistance and enhanced performance characteristics.

Features

- Offers excellent electrical performance characteristics and remains stable relative to temperature, frequency, and voltage.
- Exhibits increased heat resistance.
- Excels in loss characteristics and generates a minimum of heat at high frequency.
- Refer to page 125 and 126 for lead wire forming and taping type.

Outline of drawings and dimensions



Product Specifications

Items	Specifications
Temperature range	–40°C ~ +105°C (+125°C, with derating over 105°C)
Rated voltage	100, 250 V.DC
Capacitance tolerance	±5% (J), ±10% (K))
Dielectric dissipation factor	0.1% or less (20°C,1KHz)
Withstanding voltage	Rated voltage (V.DC) × 1.5 for one min.
Insulation resistance	15,000MΩ or more.

Product symbol : (Example) MDD-HF Series 100V.DC 0.1μF ±10%

MDD-HF 2A 104 K T 2C3

- MDD-HF: Type of series
- 2A: Rated voltage code
- 104: Capacitance code
- K: Capacitance tolerance code
- T: With or without taping
- 2C3: Forming

Standard value and case size

(Unit : mm)

Capacitance		Rated voltage (100V.DC)															
		100V.DC (2A)								250V.DC (2E)							
μF	Code	T	H	L	F	f	d	Taping type	Package quantity / case	T	H	L	F	f	d	Taping type	Package quantity/case
0.010	103	4.5	7.5	8.5	5.0	0.5	0.5	A,C	2000	4.5	7.5	8.5	5.0	0.5	0.5	A,C	2000
0.012	123	4.5	7.5	8.5	5.0	0.5	0.6	A,C	2000	4.5	7.5	8.5	5.0	0.5	0.6	A,C	2000
0.015	153	4.9	7.7	8.5	5.0	0.5	0.6	A,C	2000	4.9	7.7	8.5	5.0	0.5	0.6	A,C	2000
0.018	183	4.5	7.5	11.0	7.5	1.0	0.6	A,C	2000	4.5	7.5	11.0	7.5	1.0	0.6	A,C	2000
0.022	223	4.7	7.5	11.0	7.5	1.0	0.6	A,C	2000	4.7	7.5	11.0	7.5	1.0	0.6	A,C	2000
0.027	273	4.7	8.3	11.0	7.5	1.0	0.6	A,C	2000	4.7	8.3	11.0	7.5	1.0	0.6	A,C	2000
0.033	333	4.9	9.0	11.0	7.5	1.0	0.6	A,C	1500	4.9	9.0	11.0	7.5	1.0	0.6	A,C	1500
0.039	393	5.2	9.3	11.0	7.5	1.0	0.6	A,C	1500	5.2	9.3	11.0	7.5	1.0	0.6	A,C	1500
0.047	473	5.5	9.5	11.0	7.5	1.0	0.6	A,C	1500	5.5	9.5	11.0	7.5	1.0	0.6	A,C	1500
0.056	563	5.2	8.0	11.0	7.5	1.0	0.6	A,C	2000	5.0	9.0	13.5	10.5	1.0	0.6	A,D	1500
0.068	683	5.2	8.5	11.0	7.5	1.0	0.6	A,C	1500	5.5	9.5	13.5	10.5	1.0	0.6	A,D	1500
0.082	823	5.3	9.0	11.0	7.5	1.0	0.6	A,C	1500	6.0	9.5	13.5	10.5	1.0	0.6	A,D	1500
0.10	104	5.7	9.3	11.0	7.5	1.0	0.6	A,C	1500	6.0	10.5	13.5	10.5	1.0	0.6	A,D	1000
0.12	124	4.8	8.4	13.0	10.5	1.0	0.6	A,D	1500								
0.15	154	4.7	10.0	13.0	10.5	1.0	0.6	A,D	1500								
0.18	184	5.0	10.2	13.0	10.5	1.0	0.6	A,D	1500								
0.22	224	5.3	10.5	13.0	10.5	1.0	0.6	A,D	1500								
0.27	274	5.6	10.8	13.0	10.5	1.0	0.6	A,D	1500								
0.33	334	6.1	11.3	13.0	10.5	1.0	0.6	A,D	1000								