

SMD Common Mode Filter

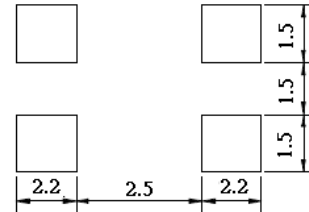
Description

The MDM Series is SMD common mode filter specifically designed to eliminate common mode noise in USB 2.0, IEEE1394, and LVDS applications.

A dual winding configuration in a tight form factor provides exceptional EMI reduction in space-constrained environments.

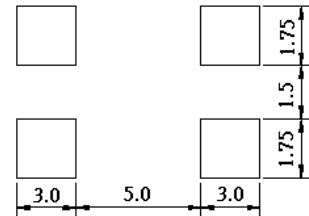
MDM 7060 Directions

- ◎ Miniature footprint : 7.0×6.0mm
- ◎ Low profile : 4.8mm (max)
- ◎ Common mode impedance of 100~1300Ω at 100MHz (typical)
- ◎ Operating temperature : -40°C to +105°C
- ◎ Suitable for reflow soldering.



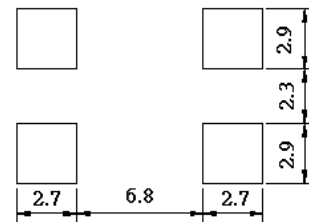
MDM 9070 Directions

- ◎ Miniature footprint : 9.0×7.0mm
- ◎ Low profile : 4.8mm (max)
- ◎ Common mode impedance of 300~1000Ω at 100MHz (typical)
- ◎ Operating temperature : -40°C to +105°C
- ◎ Suitable for reflow soldering.

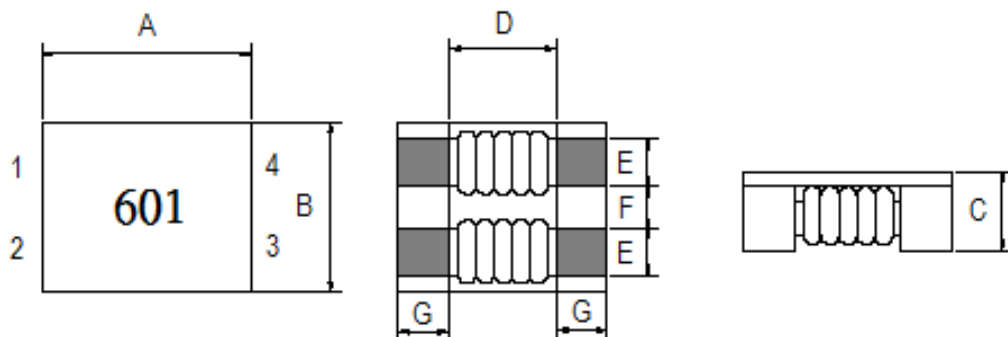


MDM 1211 Directions

- ◎ Miniature footprint : 12×10.8mm
- ◎ Low profile : 6.4mm (max)
- ◎ Common mode impedance of 80~2700Ω at 100MHz (typical)
- ◎ Operating temperature : -40°C to +105°C
- ◎ Suitable for reflow soldering.



Dimensions and footprint (Unit : mm)



Unit : mm

Size	A	B	C	D	E	F	G
MDM-7060M	7.0±0.5	6.0±0.5	3.8MAX	3.5Type	1.5±0.2	1.5±0.2	1.75±0.2
MDM-9070M	9.0±0.5	7.0±0.5	4.8MAX	5.7Type	1.5±0.2	2.0±0.2	1.7±0.2
MDM-1211M	12.0±0.5	10.8±0.5	6.4MAX	7.0Type	2.7±0.2	2.5±0.2	2.5±0.2

Part Number Code

MFD - 9070M 501

1 2 3

1、Series Name

2、Size Code : the first two digitals : length(mm), the last two digitals : width(mm)

3、Impedance(Ω) $\pm 25\%$ (ex:501=500 Ω ;102=1000 Ω)**Specification**

Part No.	Impedance (Ω) 100MHz		IDC(A) (max)	DCR(m Ω) (max)	Insulation Resistance(m Ω)Min	Rated Voltage Vdc(V)max
	Min	Typ				
MDM-7060M-101	100	140	9.0	10	10	80
MDM-7060M-301	225	300	5.0	10	10	80
MDM-7060M-501	275	350	5.0	10	10	80
MDM-7060M-701	500	700	4.0	15	10	80
MDM-7060M-102	800	1020	3.0	17	10	80
MDM-7060M-132	910	1300	2.5	21	10	80

Part No.	Impedance (Ω) 100MHz		IDC(A) (max)	DCR(m Ω) (max)	Insulation Resistance(m Ω)Min	Rated Voltage Vdc(V)max
	Min	Typ				
MDM-9070M-301	225	300	6.0	6	10	50
MDM-9070M-501	450	600	5.5	8	10	50
MDM-9070M-701	500	700	5.0	10	10	50
MDM-9070M-102	750	1000	4.0	13	10	50

Part No.	Impedance (Ω) 100MHz		IDC(A) (max)	DCR(m Ω) (max)	Insulation Resistance(m Ω)Min	Rated Voltage Vdc(V)max
	Min	Typ				
MDM-1211M-800	80	230	10.0	2	10	50
MDM-1211M-701	500	700	8.0	6	10	50
MDM-1211M-102	750	1000	6.0	14	10	50
MDM-1211M-222	2200	2500	1.8	35	10	50
MDM-1211M-272	2300	2700	1.5	50	10	50