

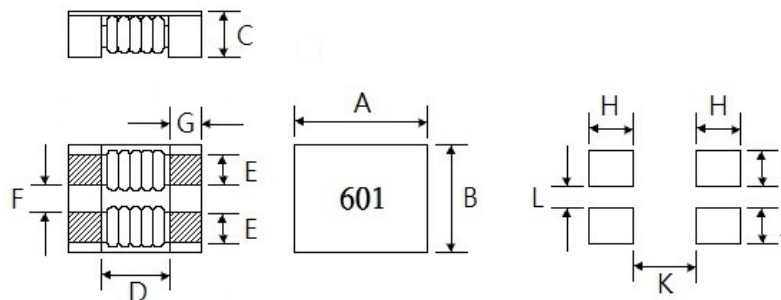
Wire Wound Common Mode Choke

Description

The MDM Series is a Wire wound miniature common mode filter specifically designed to eliminate common mode noise in Power Line.

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

Dimensions and footprint (Unit : mm)



Unit : mm

Size	A	B	C	D	E	F	G	H	J	K	L
MDM-4520	4.70±0.5	4.50±0.5	2.00 max	2.70 typ.	0.75 typ.	1.25 typ.	1.00 typ.	1.45	1.20	2.20	1.05
MDM-7060	7.00±0.5	6.00±0.5	3.80 max	3.50 typ.	1.50±0.2	1.50±0.2	1.75±0.2	2.20	1.50	2.50	1.50
MDM-9070	9.00±0.5	7.00±0.5	4.80 max	5.70 typ.	1.50±0.2	2.00±0.2	1.70±0.2	3.00	1.75	5.00	1.50
MDM-1211	12.00±0.5	10.80±0.5	6.40 max	7.00 typ.	2.70±0.2	2.50±0.2	2.50±0.2	2.70	2.90	6.80	2.30
MDM-1513	15.00±0.5	13.00±0.4	6.00 max	9.00 typ.	2.70±0.2	3.80±0.2	3.00±0.2	3.50	3.00	8.70	3.20

Part Number Code

MDM - 9070 F - 70 1
 1 2 3 4 5

1、Series Name

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

3、Cover material F : LCP、M : Mylar

4、Impedance(Ω)

{ (ex : 501=500Ω ; 102=1000Ω)

5、Fixed Decimal Point

Specification

Part No.	Impedance (Ω) 100MHz		IDC (A) (max)	DCR (m Ω) (max)	Insulation Resistance IR (M Ω) min.	Rated Voltage Vdc (V) max
	Min	Typ.				
MDM-4520M-231	180	230	1.5	50	10	50
MDM-4520M-421	300	420	1.4	55	10	50
MDM-4520M-901	650	900	1.2	60	10	50
MDM-4520M-142	1000	1400	1.0	80	10	50

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

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

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

Part No.	Impedance (Ω) 100MHz		IDC (A) (max)	DCR (m Ω) (max)	Insulation Resistance IR (M Ω) min.	Rated Voltage Vdc (V) max
	Min	Typ.				
MDM-1513M-301	250	300	13	5	10	80
MDM-1513M-551	450	550	10	6	10	80
MDM-1513M-701	500	700	10	7	10	80