



Wire Wound Common Mode Choke

MDM Series 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 (mm)

Product Identification

MAM - 9070 F - 70 1

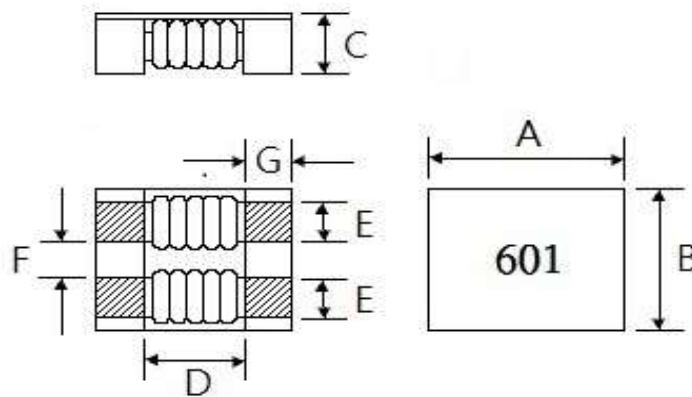
MAM : SERIES NAME

9070 : Dimensions CODE

F : Cover material LCP

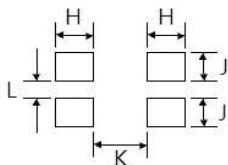
70 : Impedance(Ω)

1 : Fixed Decimal Point



Size	A	B	C	D	E	F	G
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.
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
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
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
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

Recommended Pattern(mm)



Size	H	J	K	L
MDM-4520	1.45	1.20	2.20	1.05
MDM-7060	2.20	1.50	2.50	1.50
MDM-9070	3.00	1.75	5.00	1.50
MDM-1211	2.70	2.90	6.80	2.30
MDM-1513F	3.50	3.00	8.70	3.20



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Electrical Characteristics

Part Number	Impedance(Ω) 100MHz		IDC (A) (max)	DCR (m Ω) (max)	Insulation Resistance (M Ω) _{min.}	IR	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 Number	Impedance(Ω) 100MHz		IDC (A) (max)	DCR (m Ω) (max)	Insulation Resistance (M Ω) _{min.}	IR	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	275	350	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 Number	Impedance(Ω) 100MHz		IDC (A) (max)	DCR (m Ω) (max)	Insulation Resistance (M Ω) _{min.}	IR	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 Number	Impedance(Ω) 100MHz		IDC (A) (max)	DCR (m Ω) (max)	Insulation Resistance (M Ω) _{min.}	IR	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 Number	Impedance(Ω) 100MHz		IDC (A) (max)	DCR (m Ω) (max)	Insulation Resistance (M Ω) _{min.}	IR	Rated Voltage Vdc (V) max
	Min	Typ					
MDM-1513M-301	250	300	13.0	5	10		80
MDM-1513M-551	450	550	10.0	6	10		80
MDM-1513M-701	500	700	10.0	7	10		80