



Wire Wound Common Mode Choke for Vehicle Electronics

MAM Series Wire Wound Common Mode Choke for Vehicle Electronics

Features

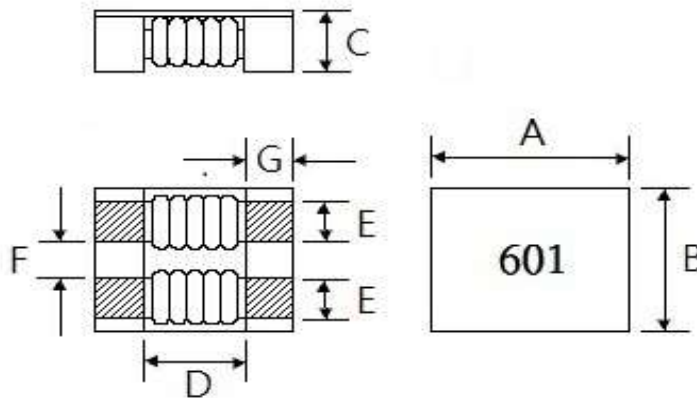
From big to small size SMD Design,
Wire wound constructor common mode choke
with best EMI suppression effect high impedance
but extremely high rated current and low DCR
Compatible with RoHS Directive and AEC-Q200



Applications

Preventive measure against common mode noise
radiation emissions from power line or else
Best for high current circuit such as car,
wireless charging and power device design.

Dimensions (mm)



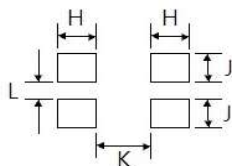
Product Identification

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
MAM-7060F	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
MAM-9070F	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
MAM-1211F	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
MAM-1513F	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
MAM-7060F	2.2	1.5	2.5	1.5
MAM-9070F	3	1.75	5	1.5
MAM-1211F	2.7	2.9	6.8	2.3
MAM-1513F	3.5	3	8.7	3.2



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Electrical Characteristics

Part Number	Impedance(Ω) _{100MHz}		IDC (A) (max)	DCR (m Ω) (max)	Insulation Resistance IR (M Ω) _{min.}	Rated Voltage Vdc (V) max
	Min	Typ				
MAM-7060F-101	100	140	9.0	10	10	80
MAM-7060F-301	225	300	5.0	10	10	80
MAM-7060F-501	275	350	5.0	10	10	80
MAM-7060F-701	500	700	4.0	15	10	80
MAM-7060F-102	800	1020	3.0	17	10	80
MAM-7060F-132	910	1300	2.5	21	10	80

Part Number	Impedance(Ω) _{100MHz}		IDC (A) (max)	DCR (m Ω) (max)	Insulation Resistance IR (M Ω) _{min.}	Rated Voltage Vdc (V) max
	Min	Typ				
MAM-9070F-301	225	300	6.0	6	10	50
MAM-9070F-501	450	600	5.5	8	10	50
MAM-9070F-701	500	700	5.0	10	10	50
MAM-9070F-102	750	1000	4.0	13	10	50

Part Number	Impedance(Ω) _{100MHz}		IDC (A) (max)	DCR (m Ω) (max)	Insulation Resistance IR (M Ω) _{min.}	Rated Voltage Vdc (V) max
	Min	Typ				
MAM-1211F-800	80.00	230	10.0	4	10	50
MAM-1211F-701	500.00	700	8.0	6	10	50
MAM-1211F-102	750.00	1000	6.0	14	10	50
MAM-1211F-222	2200.00	2500	1.8	36	10	50

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