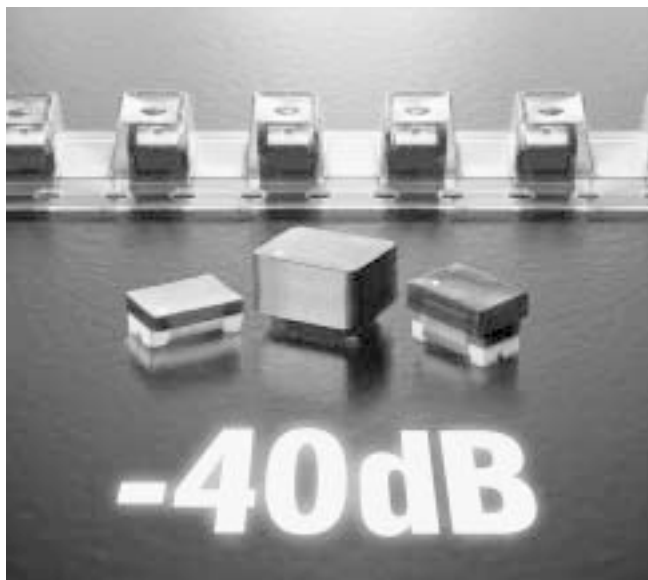


Common Mode EMI Filters - M2022 Series



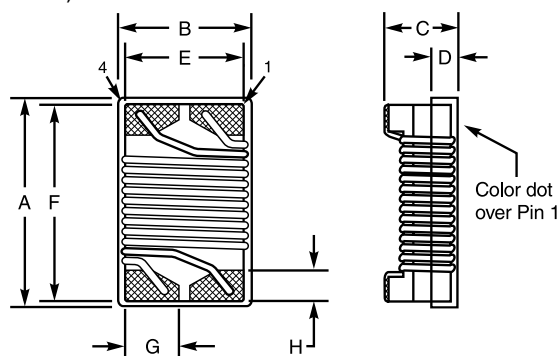
These common mode filters provide excellent noise attenuation in a compact, surface mount package. They're built in an 1812 size configuration that's ideal for auto insertion. In addition to the standard filter, a low profile (-ALP) and shielded (-AS) version are available.

Features include excellent isolation, environmental stability and low cost. Coilcraft can also supply custom filters with special combinations of impedance, response and current handling.

Part number	Inductance per winding ¹ (μH) ±10%	DCR Max (mOhm)	I _{DC} ² (mAmp)	Isolation (Vrms)
M2022-A	4.2	800	500	50
M2022-ALP	4.0	800	500	50
M2022-AS	11.5 min	850	500	50

1. Measured at 10 MHz
2. For 30° C temperature rise
3. Operating temperature range -40° C to +85° C
4. Electrical specifications at 25° C

M2022-A, M2022-ALP



Dimensions

M2022-A

A max	B max	C max	D ref	E ref	F ref	G min	H
0.195	0.150	0.135	0.070	0.100	0.178	0.04	0.03
4,95	3,81	3,43	1,78	2,54	4,52	1,02	0,76

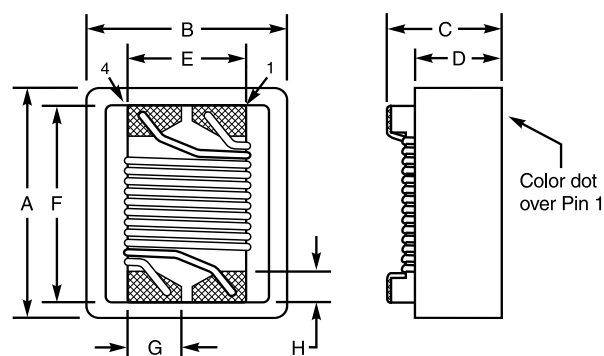
M2022-ALP

A max	B max	C max	D ref	E ref	F ref	G min	H
0.195	0.150	0.079	0.070	0.100	0.178	0.04	0.03
4,95	3,81	2,01	1,78	2,54	4,52	1,02	0,76

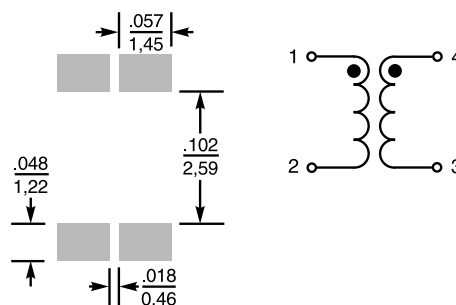
M2022-AS

A max	B max	C max	D ref	E ref	F ref	G min	H
0.231	0.196	0.150	0.107	0.100	0.178	0.04	0.03
5,87	4,98	3,81	2,72	2,54	4,52	1,02	0,76

M2022-AS



Land Pattern



Parts/reel: 7" 600; 13" 2,200 Tape width: 12 mm
For packaging data see "Tape and Reel Specifications" section (Doc. 173)

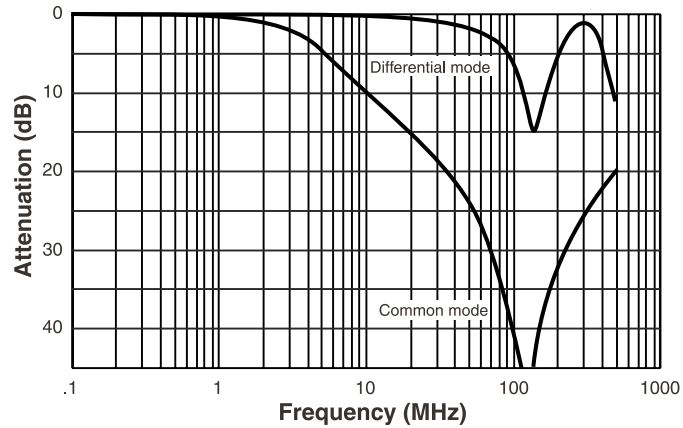
Coilcraft

Specifications subject to change without notice. Document 151-1 Revised 2/20/02

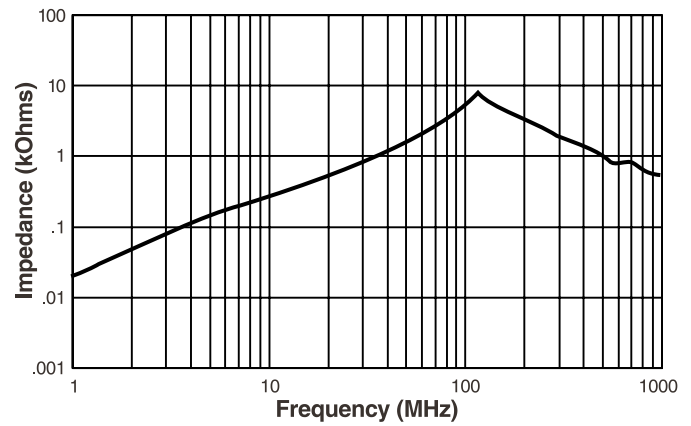
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E-mail info@coilcraft.com Web http://www.coilcraft.com

M2022-A, M2022-ALP

Frequency Response*

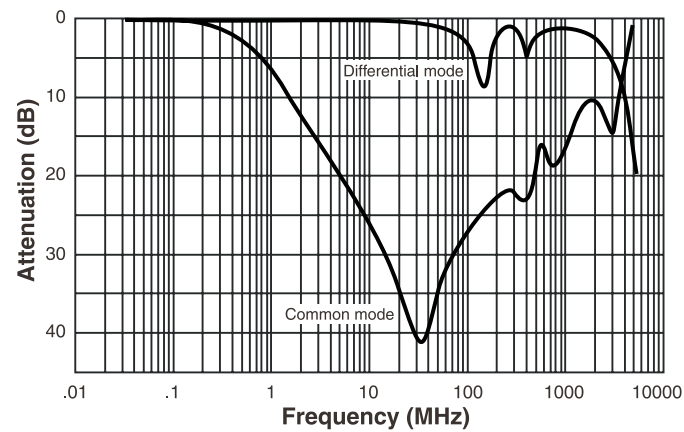


Impedance vs Frequency*

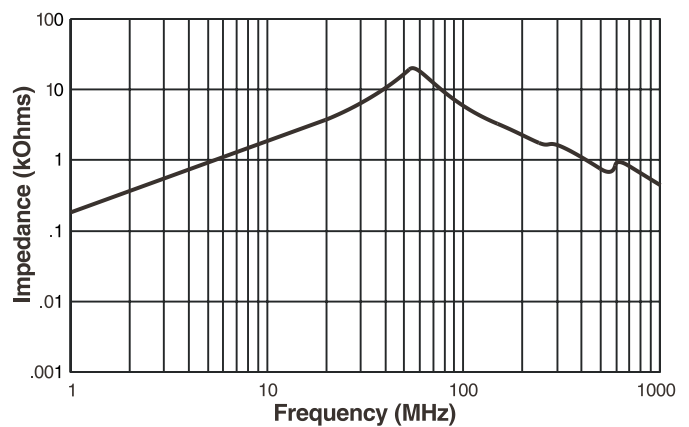


M2022-AS

Frequency Response*



Impedance vs Frequency*



*Measured on HP8753D network analyzer

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Specifications subject to change without notice. Document 151-2 Revised 5/7/00

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