

Solid Core Flat Ribbon Cable Ferrite (MRS – Series)

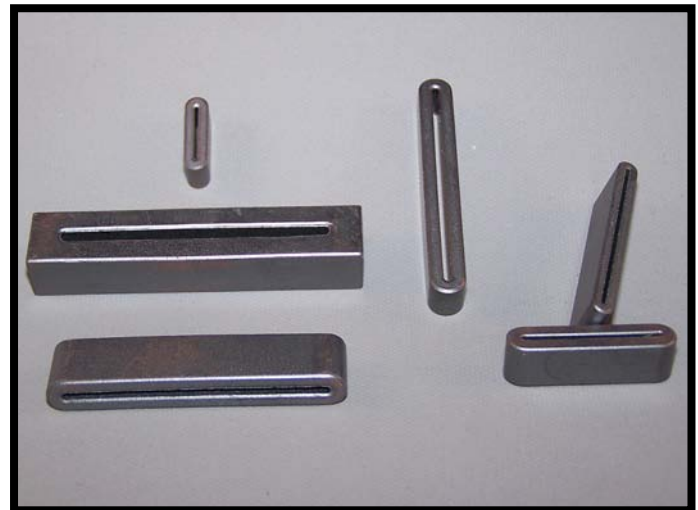
Product Summary

Easy to use and cost effective 850-Perm Nickel Zinc ferrite parts designed to attenuate and suppress unwanted broadband RF noise with no loss of power or signal strength.

Product Application

Installed before cables are terminated, this series is designed to closely fit thin flex circuits, SCSI II flat cables or standard flat ribbon cables. 13 sizes will handle up to 20-conductor cables with ease, and provide suppression from 1MHz through 1GHz, with the highest attenuation above 100MHz. This product works best when installed as closely as practical to a "victim" piece of equipment to suppress conducted or radiated noise on the cable. MAJR Products MRS Series Solid Core Flat Ribbon Cable Ferrites are also available with Acrylic Adhesive Foam Base to secure

ferrite and cable to almost any surface by adding an "A" to the end of the part number (i.e., MRS 16 X 5 X 12A), this feature has a small additional charge.

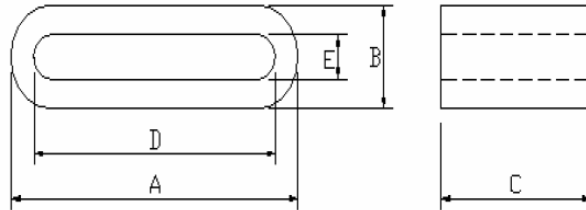


Product Technical Data

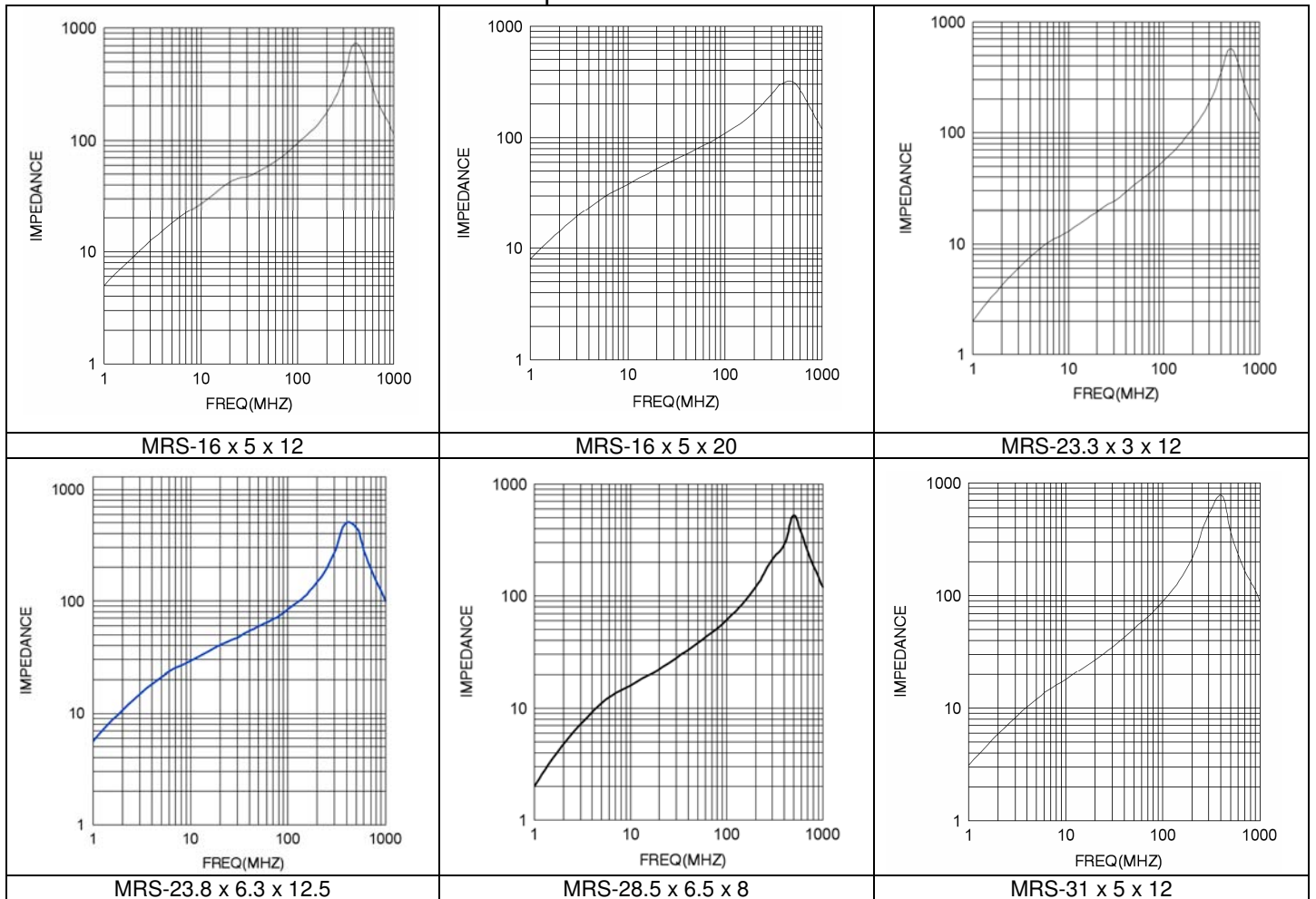
Figure	P/N	A	B	C	D	E (Nom.)	Impedance In OHMS		
							25 MHz	100 MHz	Peak
1	MRS-16 x 5 x 12	16 mm	5 mm	12 mm	11.5 mm	0.5 mm	Z ₁ = 31	Z ₂ = 67	600 Ohm @ 400 MHz
2	MRS-16 x 5 x 20	16 mm	5 mm	20 mm	11.5 mm	0.5 mm	Z ₁ = 55	Z ₂ = 95	450 Ohm @ 350 MHz
3	MRS-23.3 x 3 x 12	23.3 mm	3 mm	12 mm	20 mm	0.9 mm	Z ₁ = 17	Z ₂ = 44	550 Ohm @ 500 MHz
4	MRS-23.8 x 6.3 x 12.5	23.8 mm	6.3 mm	12.5 mm	18.7 mm	1.1 mm	Z ₁ = 17	Z ₂ = 65	500 Ohm @ 400 MHz
5	MRS-28.5 x 6.5 x 8	28.5 mm	6.5 mm	8 mm	23.5 mm	0.85 mm	Z ₁ = 19	Z ₂ = 47	500 Ohm @ 500 MHz
6	MRS-31 x 5 x 12	31 mm	5 mm	12 mm	27 mm	1.0 mm	Z ₁ = 25	Z ₂ = 49	800 Ohm @ 400 MHz
7	MRS-33.5 x 6.5 x 20	33.5 mm	6.5 mm	20 mm	27 mm	1.3 mm	Z ₁ = 37	Z ₂ = 85	500 Ohm @ 400 MHz
8	MRS-38.5 x 4 x 12	38.5 mm	4 mm	12 mm	35.0 mm	0.8 mm	Z ₁ = 17	Z ₂ = 49	400 Ohm @ 450 MHz
9	MRS-38.5 x 12.06 x 25.4	38.5 mm	12.06 mm	25.4 mm	26.77 mm	1.9 mm	Z ₁ = 69	Z ₂ = 127	400 Ohm @ 300 MHz
10	MRS-45.2 x 6.5 x 12	45.2 mm	6.5 mm	12 mm	40 mm	1.3 mm	Z ₁ = 15	Z ₂ = 40	500 Ohm @ 500 MHz
11	MRS-45.1 x 12.5 x 28.6	45 mm	12.5 mm	28.6 mm	34.5 mm	1.3 mm	Z ₁ = 70	Z ₂ = 145	500 Ohm @ 300 MHz
12	MRS-49.6 x 6.5 x 12	49.6 mm	6.5 mm	12 mm	44 mm	1.3 mm	Z ₁ = 18	Z ₂ = 5	450 Ohm @ 450 MHz
13	MRS-57.6 x 6.5 x 12	57.6 mm	6.5 mm	12 mm	52 mm	1.3 mm	Z ₁ = 19	Z ₂ = 47	400 Ohm @ 400 MHz

Solid Core Flat Ribbon Cable Ferrite (MRS – Series) (Cont.)

Figures 1-13



Impedance Charts



HUBZONE Certified and Veteran Owned Manufacturer

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