

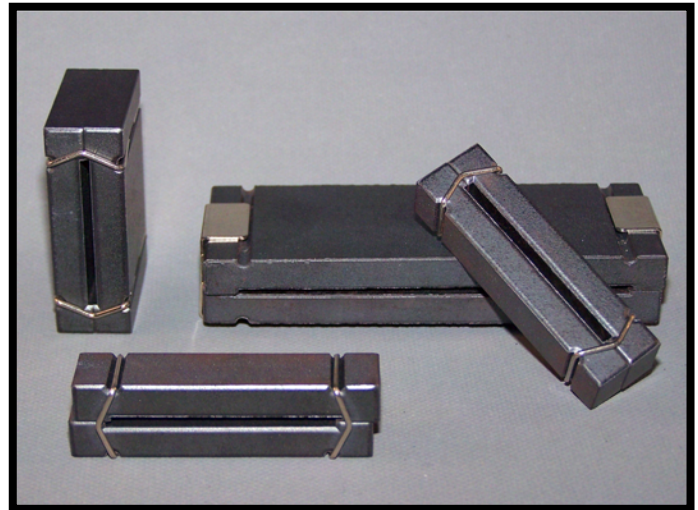
## Ferrite Split Flat Ribbon Cable Clamps – (7000 Series)

### Product Summary

Simple, cost effective, and convenient 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

Ferrite split ribbon cable clamps (or "cores") are designed to closely fit the outer profiles of ribbon cables or flex-circuits. They can be installed at any time during the assembly process. These parts exhibit suppression from 1MHz through 1GHz with the highest attenuation above 100MHz. This product works best when placed as close as practical to a "victim" piece of equipment to attenuate conducted or radiated noise on the cable. They are also useful to suppress noise near the source to prevent radiated emissions. MAJR Ribbon Cable Clamps are shipped with supplied tape or hardware assembly clips.



These ferrites are some of the most powerful ferrite configurations available in the market today. See figure #1 and #2 for mechanical dimensions (A through E) as referenced in table #1 below.

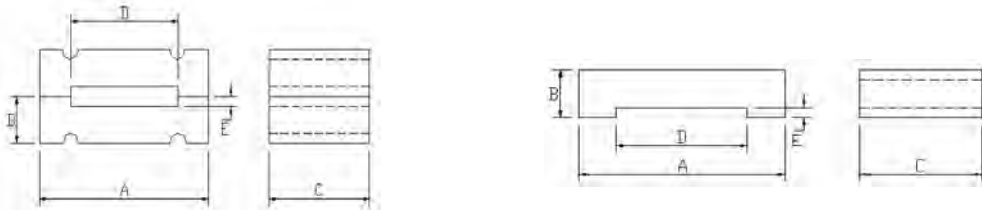
### Product Technical Data

Table #1

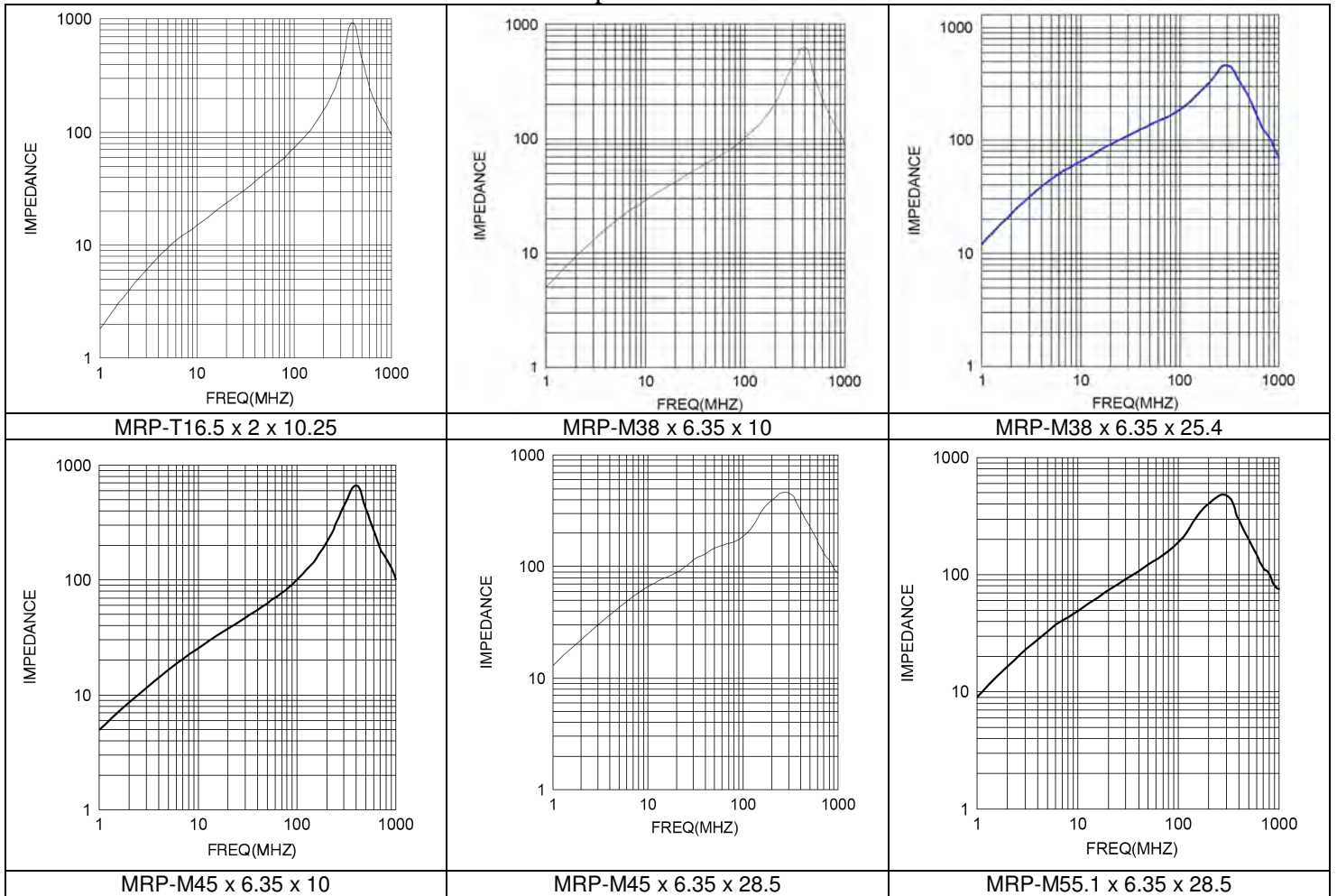
Figure	P/N	A	B	C	D	E	Impedance In Ohms		
							25 MHz	100 MHz	Peak MHz
1	MRP-T16.5 x 2 x 10.25	16.5 mm	2.0 mm	10.25 mm	12.5 mm	0.6 mm	Z <sub>1</sub> = 31	Z <sub>2</sub> = 75	900 Ohm @ 400 MHz
2	MRP-M38 x 6.35 x 10	38.0 mm	6.35 mm	10.0 mm	26.6 mm	0.8 mm	Z <sub>1</sub> = 45	Z <sub>2</sub> = 107	610 Ohm @ 400 MHz
3	MRP-M38 x 6.35 x 25.4	38.0 mm	6.35 mm	25.4 mm	26.6 mm	0.8 mm	Z <sub>1</sub> = 105	Z <sub>2</sub> = 175	450 Ohm @ 300 MHz
4	MRP-M45 x 6.35 x 10	45.0 mm	6.35 mm	10.0 mm	34.4 mm	0.8 mm	Z <sub>1</sub> = 41	Z <sub>2</sub> = 98	610 Ohm @ 400 MHz
5	MRP-M45 x 6.35 x 28.5	45.0 mm	6.35 mm	28.5 mm	34.4 mm	0.8 mm	Z <sub>1</sub> = 102	Z <sub>2</sub> = 189	450 Ohm @ 250 MHz
6	MRP-M55.1 x 6.35 x 28.5	55.1 mm	6.35 mm	28.5 mm	43.7 mm	0.8 mm	Z <sub>1</sub> = 80	Z <sub>2</sub> = 181	350 Ohm @ 300 MHz
7	MRP-M63.5 x 6.35 x 13	63.5 mm	6.35 mm	13.0 mm	52.0 mm	0.8 mm	Z <sub>1</sub> = 45	Z <sub>2</sub> = 114	800 Ohm @ 300 MHz
8	MRP-M63.5 x 6.35 x 15	63.5 mm	6.35 mm	15.0 mm	52.0 mm	0.8 mm	Z <sub>1</sub> = 50	Z <sub>2</sub> = 124	460 Ohm @ 290MHz
9	MRP-M63.5 x 6.35 x 28.5	63.5 mm	6.35 mm	28.5 mm	52.0 mm	0.8 mm	Z <sub>1</sub> = 77	Z <sub>2</sub> = 172	600 Ohm @ 300 MHz

# Ferrite Split Flat Ribbon Cable Clamps – (7000 Series) Cont.

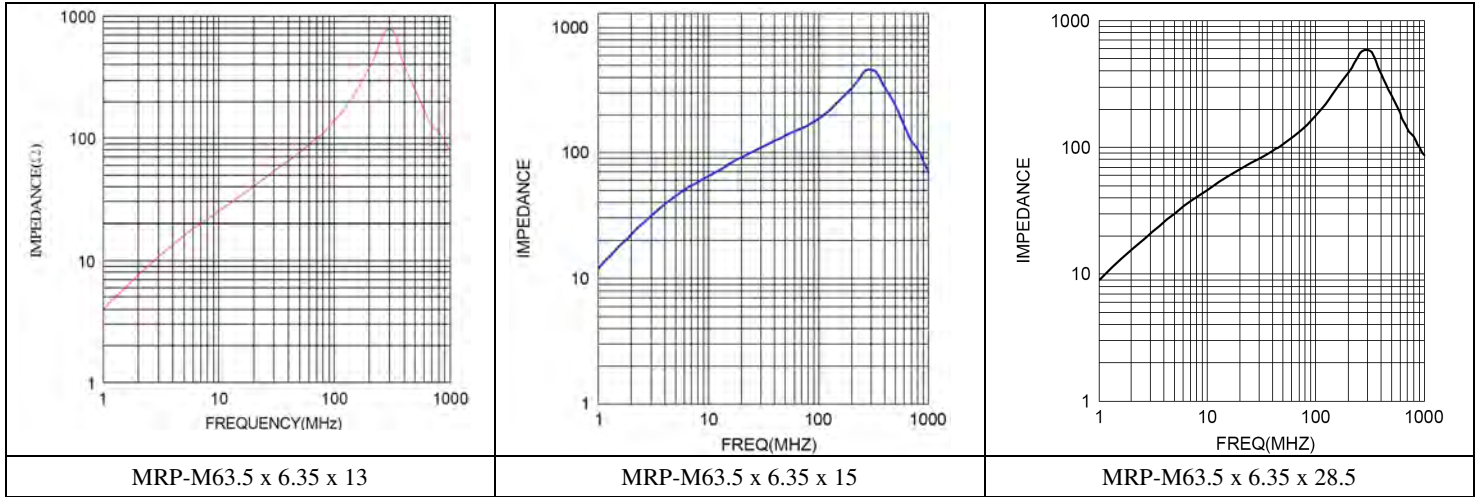
Figures 1-9



Impedance Charts



## Ferrite Split Flat Ribbon Cable Clamps – (7000 Series) Cont.



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