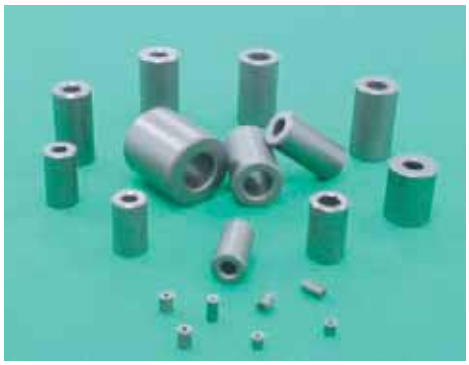
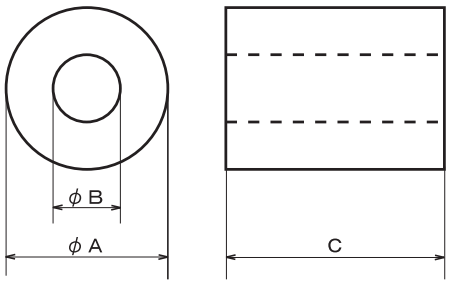
SLEEVE CORE（GRI）



Effective measure of Common Mode Choke for EMC Design

- Recommended frequency range: several MHz – hundreds MHz
- Wide range of product line: Applicable cable diameter : 12.5mm dia. Max.
- Advantage products for assembly plants in Asia
- Long stroke is effective to the higher impedance and recommendable when cable without turn around the core



Part No.	ϕ A (mm)	ϕ B (mm)	C (mm)	Minimum Impedance Ω/100MHz （1 turn）
GRI-3-4-1	3	1	4	25
GRI-3.5-3.5-1.2	3.5	1.2	3.5	25
GRI-3.5-7-1.2	3.5	1.2	7	40
GRI-4-5-1.5	4	1.5	5	30
GRI-11-18-5	11	5	18.5	85
GRI-11-20-5	11	5	20	90
GRI-11-25-5	11	5	25	105
GRI-12-16-8.5	12	8.5	16	35
GRI-12.3-20-7	12.3	7	20	70
GRI-14-28-6	14.3	6.3	28.6	130
GRI-16-20-7	16	7	20	95
GRI-16-28-7	16	7	28	130
GRI-16-28-8	16	8	28	115
GRI-16-28-9	16	9	28	95
GRI-17.5-28.5-10.7	17.5	10.7	28.5	85
GRI-18-28-10	18	10	28	100
GRI-26-28-13	26	13	28	120

＊All specifications and characteristics shown herein are subject to change without notice for improvements or changes in specification.

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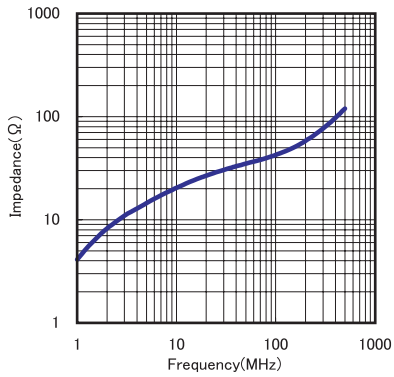
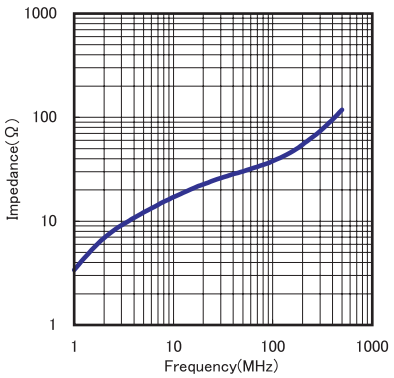
■Impedance vs. Frequency

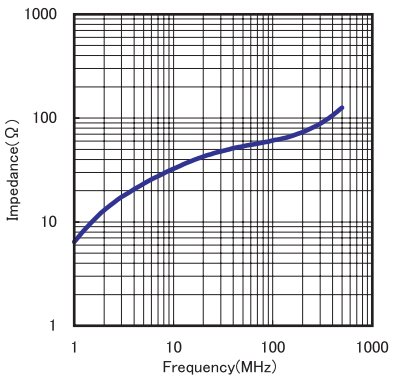
GRI-3-4-1



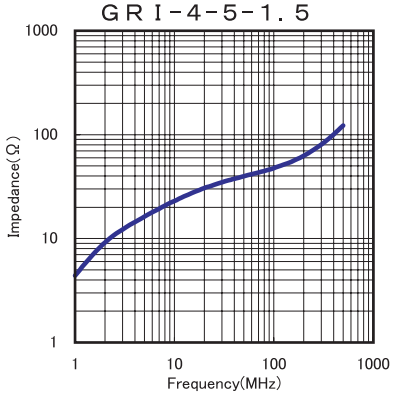
GRI-3.5-3.5-1.2



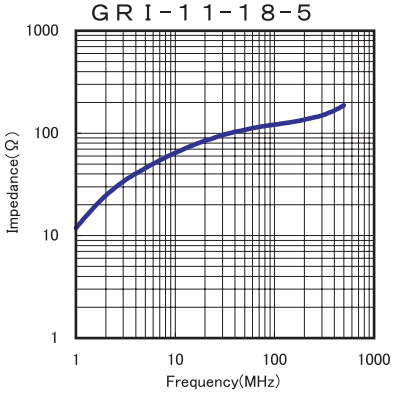
GRI-3.5-7-1.2



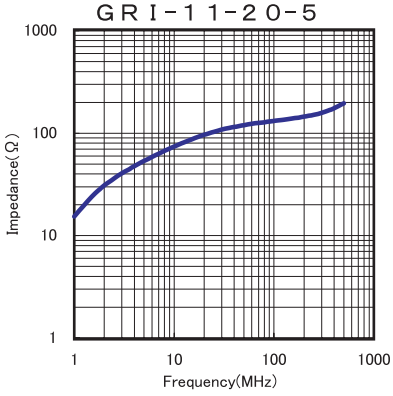
GRI-4-5-1.5



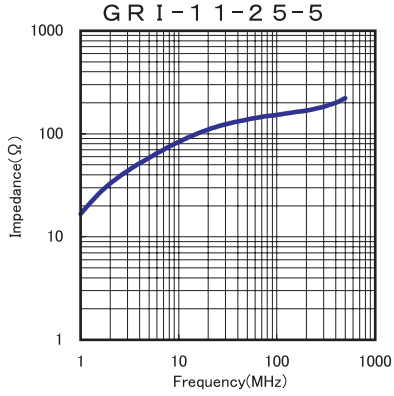
GRI-11-18-5



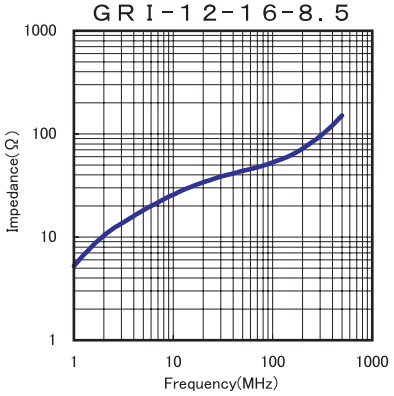
GRI-11-20-5



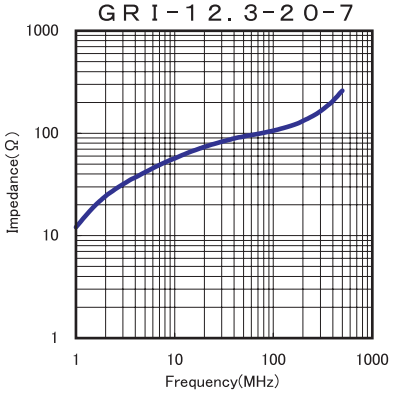
GRI-11-25-5



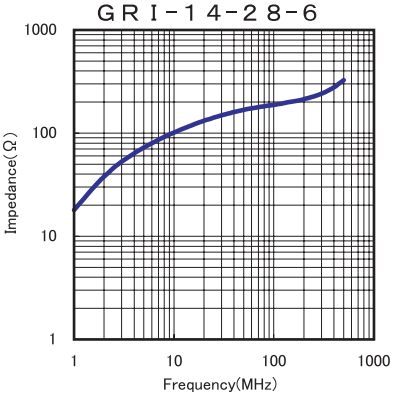
GRI-12-16-8.5



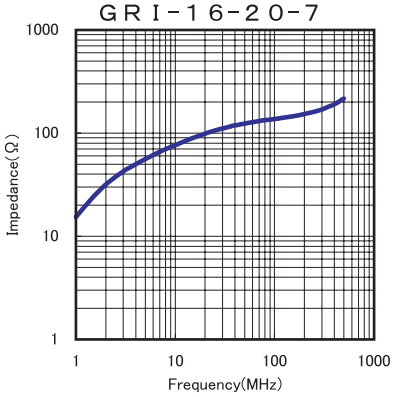
GRI-12.3-20-7



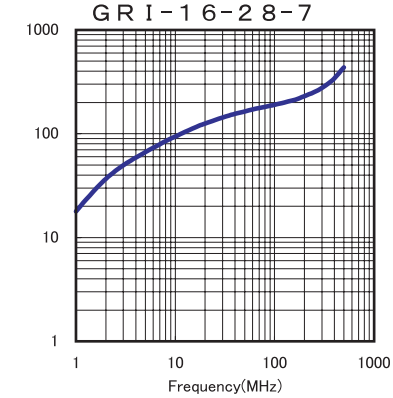
GRI-14-28-6



GRI-16-20-7



GRI-16-28-7



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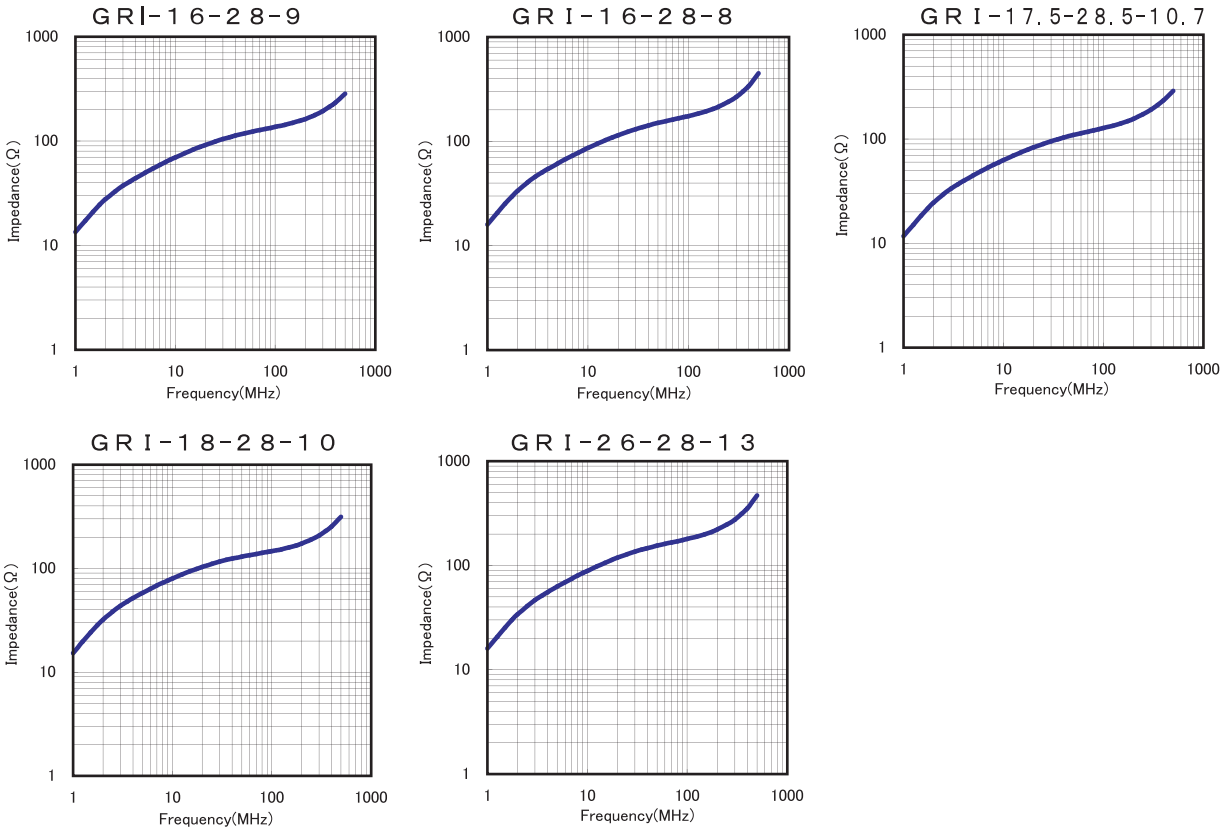
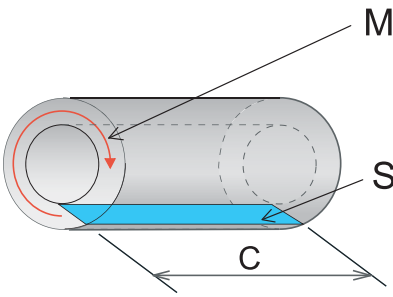
■Impedance vs. Frequency



■Relations between impedance and shape of ferrite cores



$$\text{Shape factor} = \frac{\text{Section area}}{\text{Magnetic path length}}$$

・The larger shape factor gives the higher impedance. Sleeve cores have longer stroke “C” as well as larger section area which brings the higher impedance, and advantage measure for cable without turn around the core.

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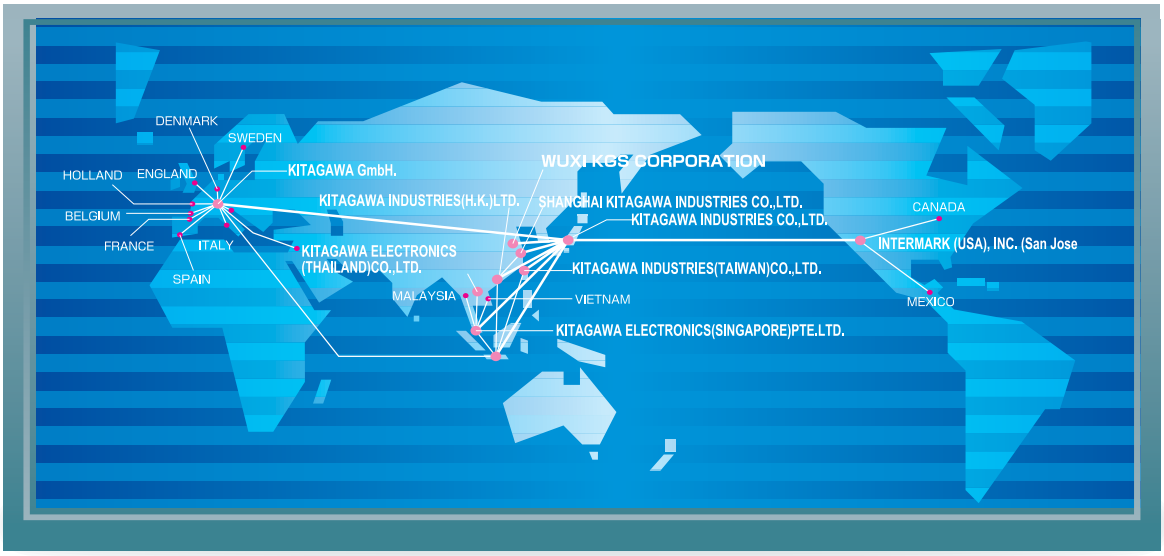

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