

EMI Ferrite Core

EMI Ferrite Core Series

Introduction

- Used to eliminate the high frequency interference along power or signal cables
- Ferrite core, ferrite bead or split ferrite core with clamp provide flexible choice
- Various dimensions to meet different requirement



Features and Benefits

- Excellent common and differential mode EMI suppression at broadband frequency range from 25MHz to 100MHz.
- Effectively suppress the coupling or conducted high frequency interference, assure proper function of electric equipment.
- Ferrite beads are in ultra small profile, easy for installation, suitable for applying on PCB.
- Ferrite cores vary greatly in dimensions to fit for different cable diameters, very simple application with cables directly through its hole.
- Split ferrite core with clamp can be opened, different dimensions to meet the requirement of different cable size, very convenient and simple installation. Suitable for cables already fixed.

Typical Applications

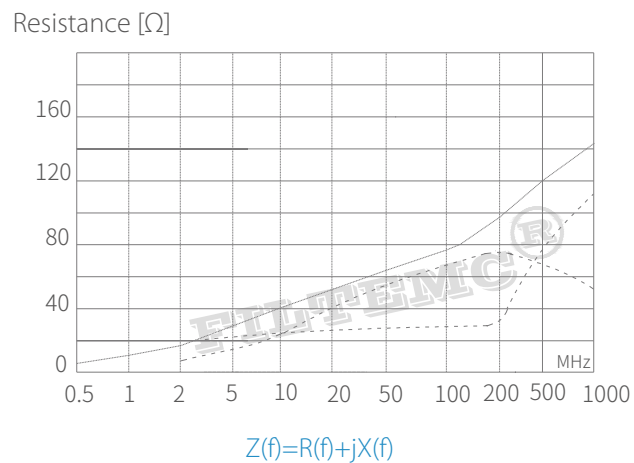
 Suitable for all kinds of power cables and signal cables carrying high frequency interference

Tabulates

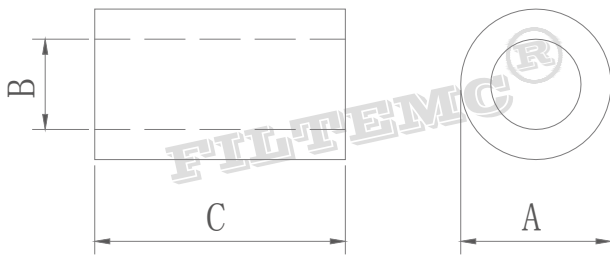
Product	Part No.	Dimension [mm]				Resistance [Ω]	
		A	B	C	D	25MHz	100MHz
EMI Ferrite Core with Mount Holder	FTJ110	19.5±0.5	18.0±0.5	6.5±0.4	32.0±1.0	170	361±20%
EMI Ferrite Core with Mount Holder	FTJ140	23.2±0.5	23.4±0.5	9.5±0.3	32.0±1.0	104	224
EMI Ferrite Core with Mount Holder	FTJ40	31.5±0.5	31.0±1.0	13.0±1.5	33.0±0.5	130	200
EMI Ferrite Bead	FT18	3.5±0.2	0.6±0.1	6.0±0.3	/	50	90
EMI Ferrite Bead	FT28	3.5±0.2	0.6±0.1	9.0±0.3	/	70	120
EMI Ferrite Bead	FT38	6.0±0.2	0.6±0.1	10.0±0.2	/	320	580
EMI Ferrite Bead	FT48	3.5±0.2	0.6±0.1	7.5±0.2	/	100	130
EMI Ferrite Core	FT10	3.5±0.2	1.3±0.1	3.0±0.3	/	20	30
EMI Ferrite Core	FT11	4.0±0.2	2.0±0.2	3.0±0.3	/	12	20
EMI Ferrite Core	FT12	5.0±0.2	2.4±0.2	6.35±0.3	/	16	30
EMI Ferrite Core	FT13	6.0±0.3	3.0±0.2	3.0±0.3	/	12	30
EMI Ferrite Core	FT40	7.8±0.2	4.2±0.2	13.0±0.2	/	56	100

Product	Part No.	Dimension [mm]				Resistance [Ω]	
		A	B	C	D	25MHz	100MHz
EMI Ferrite Core	FT41	10.3±0.3	5.8±0.2	10.2±0.3	/	44	61
EMI Ferrite Core	FT42	14.2±0.3	6.35±0.2	28.5±0.5	/	150	220
EMI Ferrite Core	FT43	16.0±0.5	4.3±0.2	17.5±0.8	/	120	220
EMI Ferrite Core	FT44	16.0±0.4	9.0±0.3	4.0±0.3	/	16	36
EMI Ferrite Core	FT45	17.5±0.3	9.5±0.3	28.0±0.5	/	96	150
EMI Ferrite Core	FT46	20.5±0.4	10.3±0.3	10.0±0.5	/	40	70
EMI Ferrite Core	FT90	25.0±0.5	15.0±0.4	12.0±0.4	/	37	70
EMI Ferrite Core	FT91	26.0±0.5	12.8±0.4	28.5±0.5	/	450	600

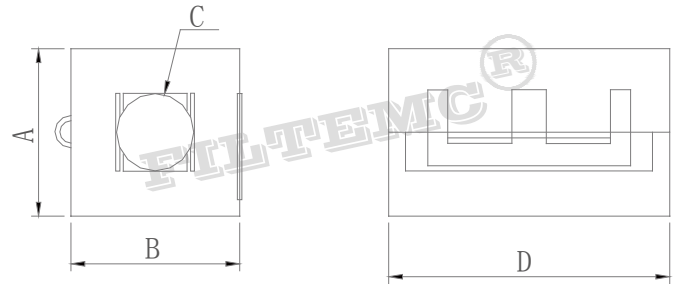
Frequency Characteristic Curve



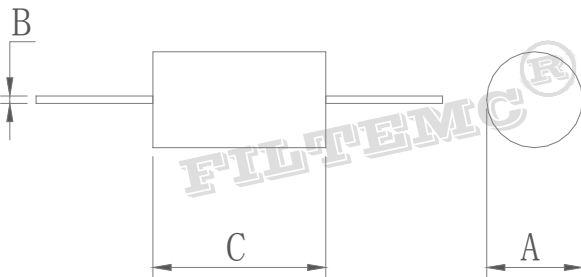
Outline Drawing and Dimensions (mm)



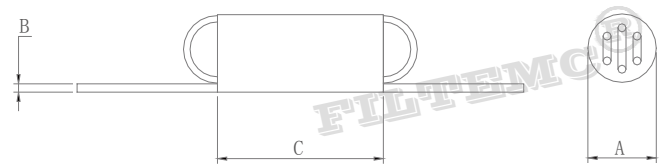
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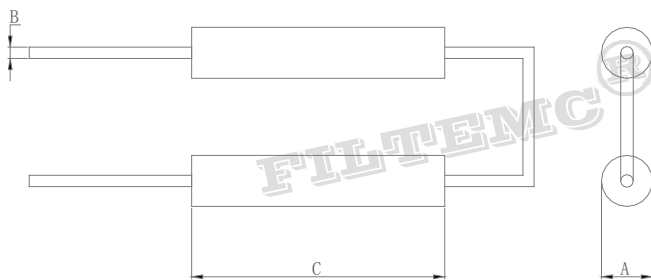
EMI Ferrite Core with Mount Holder



EMI Ferrite Bead FT18/FT28



EMI Ferrite Bead FT38 EMI



EMI Ferrite Bead FT48

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