

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

RoHS

Features and Benefits

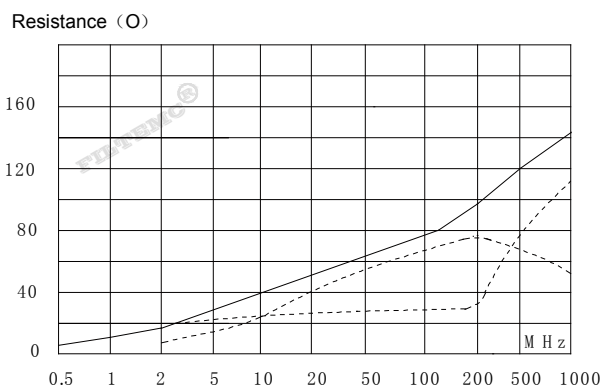
- Excellent common and differential mode EMI suppression at broadband frequency range from 25MHz to 100MHz.
- Effectively suppress the coupling or conducted high frequency interference, assure proper function of electric equipment.
- Ferrite beads are in ultra small profile, easy for installation, suitable 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



Frequency Characteristic Curve

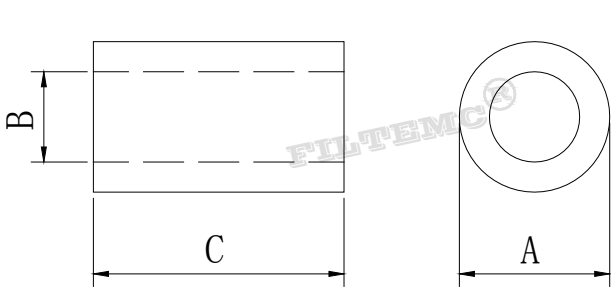


$$Z(f)=R(f)+jX(f)$$

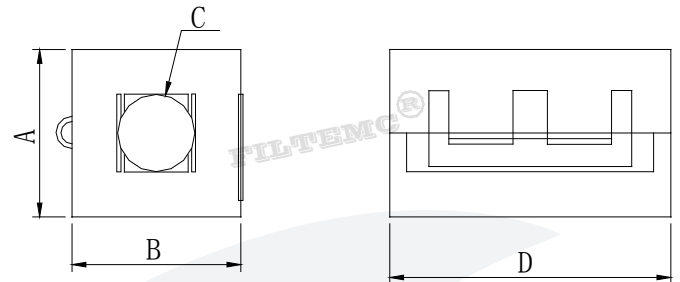
Tabulates

Product	Part No.	Dimension [mm]				Resistance [Ω]	
		A	B	C	D	25MHz	100MHz
EMI Ferrite Core with Mount Holder	FTJ110	19.5 $\pm$ 0.5	18.0 $\pm$ 0.5	6.5 $\pm$ 0.4	32.0 $\pm$ 1.0	170	361 $\pm$ 20%
	FTJ140	23.2 $\pm$ 0.5	23.4 $\pm$ 0.5	9.5 $\pm$ 0.3	32.0 $\pm$ 1.0	104	224
	FTJ40	31.5 $\pm$ 0.5	31.0 $\pm$ 1.0	13.0 $\pm$ 1.5	33.0 $\pm$ 0.5	130	200
EMI Ferrite Bead	FT18	3.5 $\pm$ 0.2	0.6 $\pm$ 0.1	6.0 $\pm$ 0.3	/	50	90
	FT28	3.5 $\pm$ 0.2	0.6 $\pm$ 0.1	9.0 $\pm$ 0.3	/	70	120
	FT38	6.0 $\pm$ 0.2	0.6 $\pm$ 0.1	10.0 $\pm$ 0.2	/	320	580
	FT48	3.5 $\pm$ 0.2	0.6 $\pm$ 0.1	7.5 $\pm$ 0.2	/	100	130
EMI Ferrite Core	FT10	3.5 $\pm$ 0.2	1.3 $\pm$ 0.1	3.0 $\pm$ 0.3	/	20	30
	FT11	4.0 $\pm$ 0.2	2.0 $\pm$ 0.2	3.0 $\pm$ 0.3	/	12	20
	FT12	5.0 $\pm$ 0.2	2.4 $\pm$ 0.2	6.35 $\pm$ 0.3	/	16	30
	FT13	6.0 $\pm$ 0.3	3.0 $\pm$ 0.2	3.0 $\pm$ 0.3	/	12	30
	FT40	7.8 $\pm$ 0.2	4.2 $\pm$ 0.2	13.0 $\pm$ 0.2	/	56	100
	FT41	10.3 $\pm$ 0.3	5.8 $\pm$ 0.2	10.2 $\pm$ 0.3	/	44	61
	FT42	14.2 $\pm$ 0.3	6.35 $\pm$ 0.2	28.5 $\pm$ 0.5	/	150	220
	FT43	16.0 $\pm$ 0.5	4.3 $\pm$ 0.2	17.5 $\pm$ 0.8	/	120	220
	FT44	16.0 $\pm$ 0.4	9.0 $\pm$ 0.3	4.0 $\pm$ 0.3	/	16	36
	FT45	17.5 $\pm$ 0.3	9.5 $\pm$ 0.3	28.0 $\pm$ 0.5	/	96	150
	FT46	20.5 $\pm$ 0.4	10.3 $\pm$ 0.3	10.0 $\pm$ 0.5	/	40	70
	FT90	25.0 $\pm$ 0.5	15.0 $\pm$ 0.4	12.0 $\pm$ 0.4	/	37	70
	FT91	26.0 $\pm$ 0.5	12.8 $\pm$ 0.4	28.5 $\pm$ 0.5	/	450	600

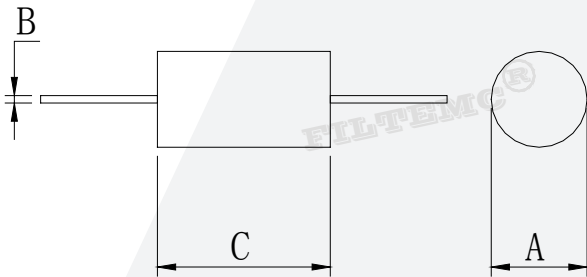
Outline Drawing and Dimensions(mm)



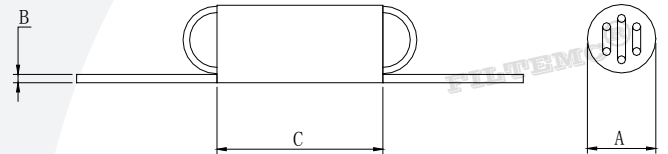
EMI Ferrite Core



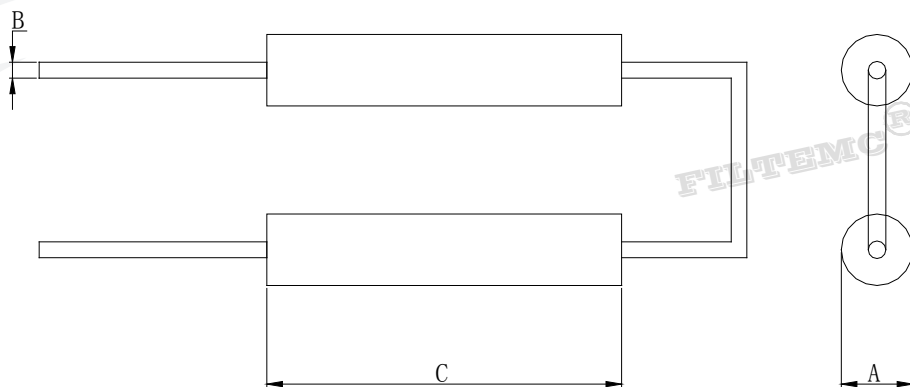
EMI Ferrite Core with Mount Holder



EMI Ferrite Bead FT18/FT28



EMI Ferrite Bead FT38



EMI Ferrite Bead FT48

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