

Ferrite Cores

For Flat Cable Square

SH Series

FEATURES

- For use with round cables. Both the clamp-on type and the regular type cores are available with diameters ranging from 7.3 to 13mm. Clamp-on cores can be attached to an existing cable while avoiding removal or cutting of the cable.
- Both regular and clamp-on types are available for use with flat cables. The clamp-on type core is highly effective for noise absorption (EMC) due to precision finish of the mating surfaces.

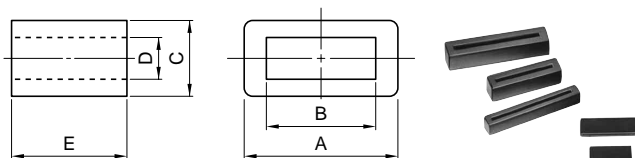
APPLICATIONS

Imaging devices, audio equipment, automotive electronics, telecommunication devices, office automation equipment, and digital interface various other cables.

MATERIAL CHARACTERISTICS

Material	Initial permeability μ_i	Temperature factor of initial permeability $\alpha_{\mu i} \times 10^{-6}/^{\circ}\text{C}$	Saturation magnetic flux density $B_s(\text{mT})$
HF70	1500	1 to 3	280[H=1600A/m]
HF60	900	8 to 14	300[H=1600A/m]

SHAPES AND DIMENSIONS/CHARACTERISTICS

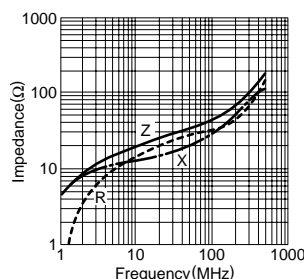


Part No.	Dimensions(mm)					Impedance Z (Ω)[at 23°C]		
	A	B	C	D	E	10MHz typ.	100MHz typ.	100MHz min.
HF70SH13X0.7X12	17	13	2.75	0.7	12	20	49	34
HF70SH20X0.7X12	23	20	3	0.7	12	15	44	31
HF70SH28X0.7X12	32	28	3.5	0.7	12	16	58	40
HF70SH35X0.8X12	39	35	4	0.8	12	15	60	42
HF70SH41X0.8X12	46	41	4.5	0.8	12	16	71	50
HF70SH52X1X12	57	52	5	1	12	15	70	49
HF70SH18.8X1.1X7	23.8	18.8	6.3	1.1	7	21	47	33
HF70SH18.8X1.1X15	23.8	18.8	6.3	1.1	15	45	120	83
HF70SH27X1.3X10	33.5	27	6.5	1.3	10	31	82	57
HF70SH35X1.3X12	40	35	6.5	1.3	12	20	65	46
HF70SH40X1.3X10	46.5	40	6.5	1.3	10	14	58	41
HF70SH46X1.9X10	53	46	7.1	1.9	10	15	56	39

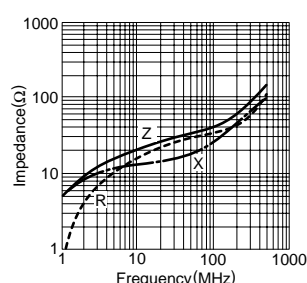
TYPICAL ELECTRICAL CHARACTERISTICS

Z, R, X vs. FREQUENCY CHARACTERISTICS

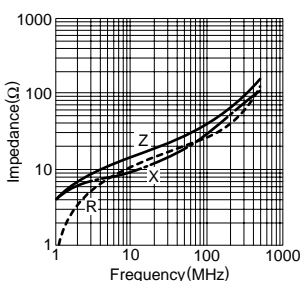
HF70SH13X0.7X12



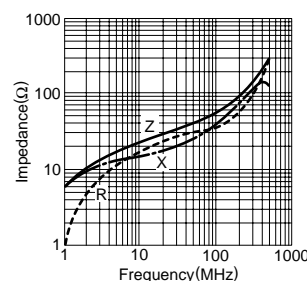
HF70SH18.8X1.1X7



HF70SH20X0.7X12



HF70SH27X1.3X10



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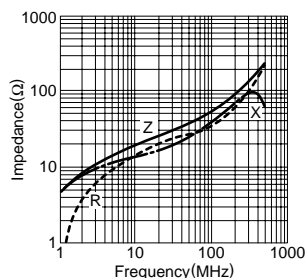
For Flat Cable
Square

SH Series

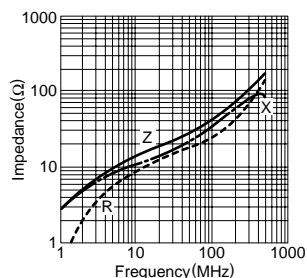
TYPICAL ELECTRICAL CHARACTERISTICS

Z, R, X vs. FREQUENCY CHARACTERISTICS

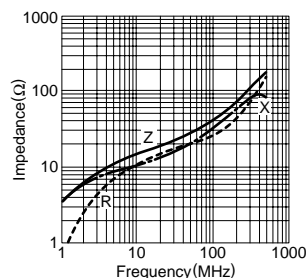
HF70SH35X1.3X12



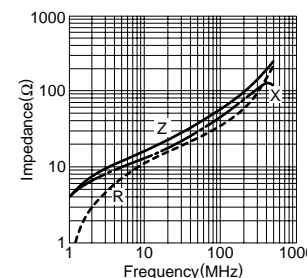
HF70SH40X1.3X10



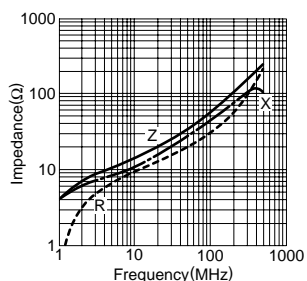
HF70SH46X1.9X10



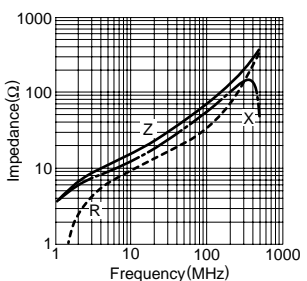
HF70SH28X0.7X12



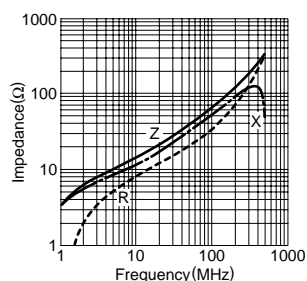
HF70SH35X0.8X12



HF70SH41X0.8X12



HF70SH52X1X12



HF70SH18.8X1.1X15

