

Ferrite Cores

For Cable

Toroidal

T Series

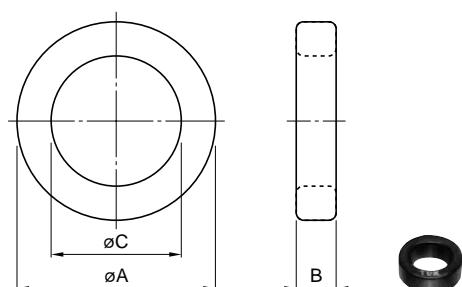
FEATURES

- 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.

SHAPES AND DIMENSIONS/CHARACTERISTICS



MATERIAL CHARACTERISTICS

Material	Initial permeability μ_i	Temperature factor of initial permeability $\alpha_{\mu ir} \times 10^{-6}/^{\circ}\text{C}$	Saturation magnetic flux density B_s (mT)	T_c ($^{\circ}\text{C}$)	Electrical resistivity ρ ($\Omega\text{-m}$)
HF60	900	8 to 14	300[H=1600A/m]	>130	10^2
HF40	120	8 to 18	410[H=4000A/m]	>250	10^5
HF57	650	3 to 7	400[H=4000A/m]	>150	10^5
HF70	1500	1 to 3	280[H=1600A/m]	>100	10^5

Shape	Dimensions(mm)			Material HF60			Material HF40			Material HF57			Material HF70		
	ϕA	B	ϕC	Impedance Z (Ω)[at 23°C]			10MHz	100MHz	100MHz	10MHz	100MHz	100MHz	10MHz	100MHz	100MHz
				1MHz	10MHz	10MHz	10MHz	100MHz	100MHz	10MHz	100MHz	100MHz	10MHz	100MHz	100MHz
				typ.	typ.	min.	typ.	typ.	min.	typ.	typ.	min.	typ.	typ.	min.
T8X4X4	8	4	4	–	–	–	4.7	40	28	13	35	–	21	39	27
T10X3X6	10	3	6	–	–	–	3.7	31	22	–	–	–	13	29	20
T12X15X8.4	12	15	8.4	11	32	21	–	–	–	–	–	–	–	–	–
T12.7X6.3X7.9	12.7	6.3	7.9	–	–	–	–	–	–	12	29	–	–	–	–
T14X7X8	14	7	8	8	24	16	7.9	65	46	20	58	–	26	58	41
T16X8X12	16	8	12	–	–	–	7.1	52	36	12	41	–	18	43	30
T18X6X10	18	6	10	–	–	–	7.1	61	43	–	–	–	30	51	36
T18X10X10	18	10	10	12	36	23	10	94	66	30	83	–	44	81	57
T18.5X10X10	18.5	10	10	–	–	–	–	–	–	30	60	–	–	–	–
T20X10X12	20	10	12	11	31	20	–	–	–	–	–	–	–	–	–
T22X6.5X14	22	6.5	14	–	–	–	6.1	49	34	15	45	–	21	46	32
T22X10X14	22	14	10	9	27	18	–	–	–	22	62	–	30	60	42
T22.5X6.4X13.8	22.5	6.4	13.8	–	–	–	–	–	–	17	56	–	–	–	–
T25X13X15	25	13	15	14	40	26	11	93	65	33	96	–	52	92	64
T28X13X16	28	13	16	15	44	29	13	100	70	–	–	–	51	100	70
T29X7.5X19	29	7.5	19	–	–	–	–	–	–	17	55	–	–	–	–
T31X8X19	31	8	19	8	24	16	7.6	71	50	–	–	–	28	67	47
T31X13X19	31	13	19	13	39	25	14	110	77	–	–	–	45	91	64
T38X14X22	38	14	22	16	46	30	–	–	–	–	–	–	–	–	–
T48X15X30	48	15	30	15	43	28	–	–	–	–	–	–	–	–	–
T60X20X36	60	20	36	21	62	40	–	–	–	–	–	–	–	–	–

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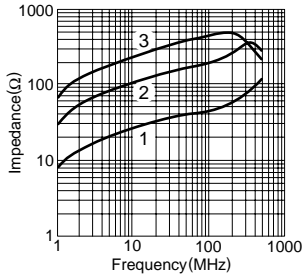
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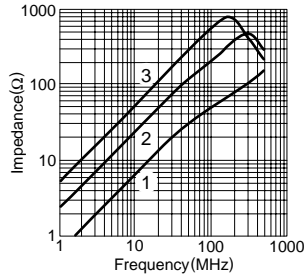
TYPICAL ELECTRICAL CHARACTERISTICS

Z, R, X vs. FREQUENCY CHARACTERISTICS

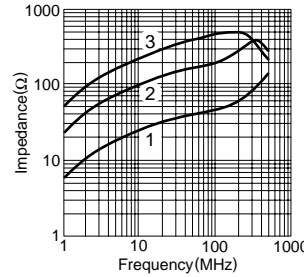
HF70T14X7X8



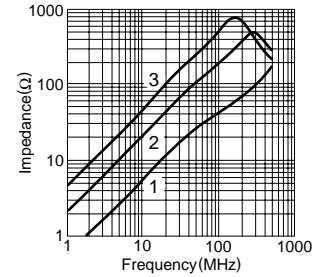
HF40T14X7X8



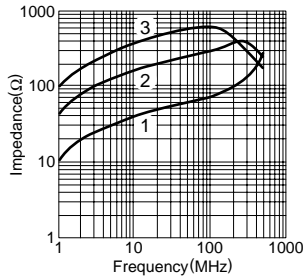
HF70T18X6X10



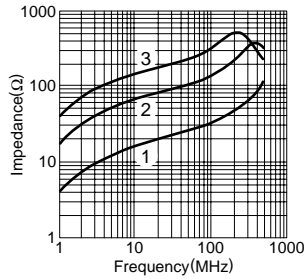
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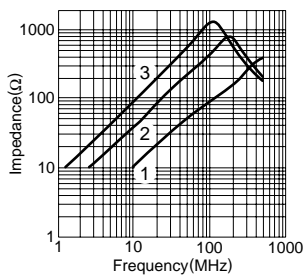
HF70T18X10X10



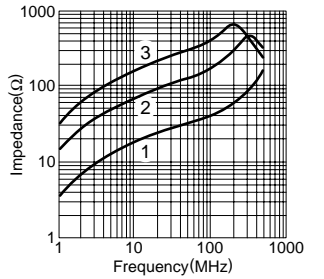
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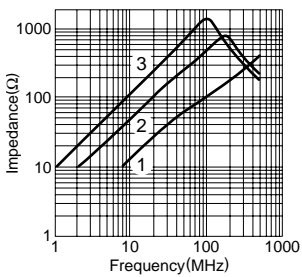
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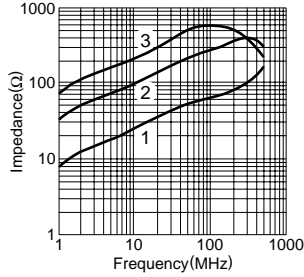
HF70T22X6.5X14



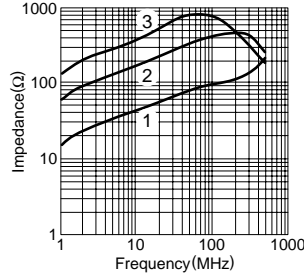
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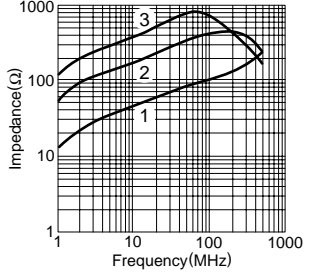
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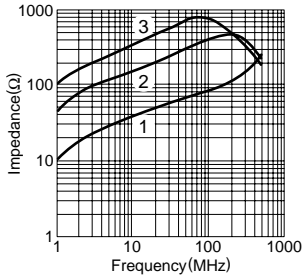
HF60T25X13X15



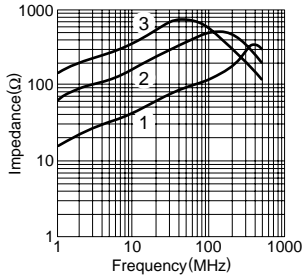
HF60T28X13X16



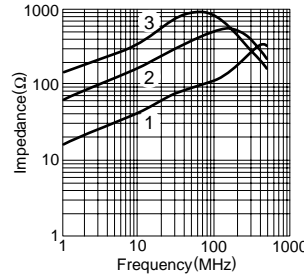
HF60T31X13X19



HF60T38X14X22



HF60T48X15X30



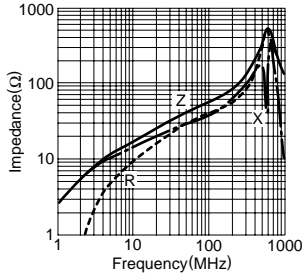
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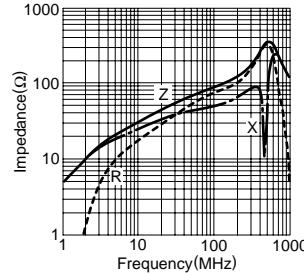
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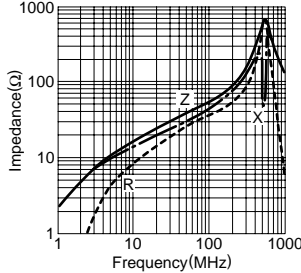
HF57T12.7X6.3X7.9



HF57T18.5X10X10



HF57T22.5X6.4



⚠ Specifications which provide more details for the proper and safe use of the described product are available upon request.
All specifications are subject to change without notice.