

Ferrites for EMI Suppression

Ferrite Beads

R6H Series(6 Holes)

Issue date: May 2011

- All specifications are subject to change without notice.
 - Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.
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Ferrite Cores for EMI Suppression

Ferrite Beads

R6H Series(6 Holes)

Bead cores series are easy to handle and are supplied in various materials, shapes and packaging styles to meet for users' requests.

FEATURES

- Appropriate materials and shapes can be selected from various cores to suppress EMI effectively.

APPLICATIONS

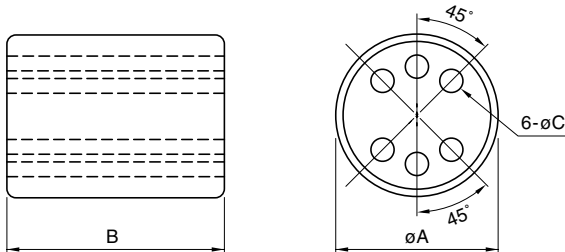
Video, acoustic, office automation equipment, communication equipment, automotive electronic equipment and others.

- Absorption EMI and penetrating noise
- Prevent parasitic oscillation

MATERIAL CHARACTERISTICS

Material	Initial permeability μ_i	Temperature factor of initial permeability $\alpha_{\mu ir} \times 10^{-6}/^{\circ}\text{C}$	Curie temperature T_c ($^{\circ}\text{C}$)	Saturation magnetic flux density B_s (mT)
HF70	1500	1 to 6	>100	280[H=1600A/m]
HF40	120	8 to 18	>250	410[H=4000A/m]

SHAPES AND DIMENSIONS/CHARACTERISTICS

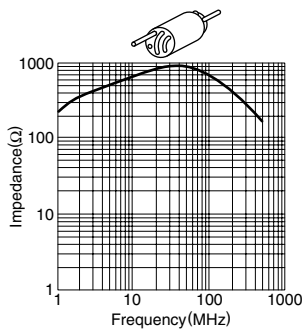


Part No.	Dimensions (mm)			Impedance(Ω)[at 23°C, 2.5Ts]	
	ϕA	B	ϕC	10MHz typ.	100MHz typ.
HF40R6H6X10H0.8	6 \pm 0.2	10 \pm 0.3	0.8 \pm 0.1	140	1020
HF70R6H6X10H0.8	6 \pm 0.2	10 \pm 0.3	0.8 \pm 0.1	650	700

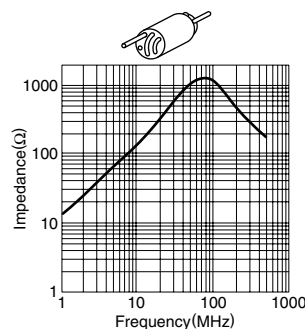
TYPICAL ELECTRICAL CHARACTERISTICS

IMPEDANCE vs. FREQUENCY CHARACTERISTICS

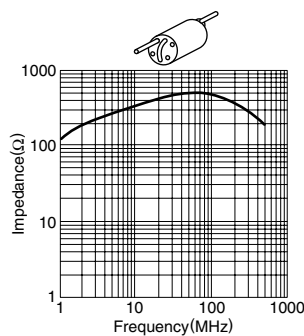
HF70R6H6X10H0.8
(5 holes)



HF40R6H6X10H0.8
(5 holes)



HF70R6H6X10H0.8
(3 holes)



HF40R6H6X10H0.8
(3 holes)

