Ferrite Cores for EMI Suppression For IC and Connector

MH Series(Multiple Holes)

FEATURES

- The MH Series provides simple, effective EMC suppression at terminal pins. Terminal pins that can be inserted include those of DIP type ICs, DIP IC sockets, and grid square type connector receptacles.
- The comprehensive product lineup offers numerous sizes, hole configurations, and ferrite materials. The variety of impedance vs. frequency characteristics enables optimization of EMC suppression performance for a wide range of possible applications.

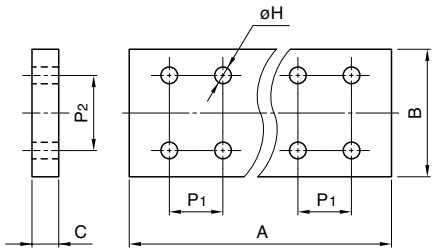
APPLICATIONS

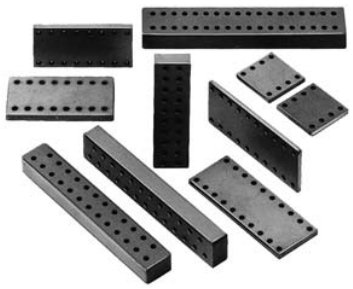
Suppression of digital signal ringing and prevention RFI from IC pins, suppression of interface cable EMC, preventing the entry of RFI into a device, and shaping the waveform of digital signals.

MATERIAL CHARACTERISTICS

Material	Initial permeability μi	Temperature factor of initial permeability αμir ×10⁻⁶/°C	Curie temperature Tc (°C)	Saturation magnetic flux density Bs (mT)
HF70	1500	1 to 6	>100	280[H=1600A/m]

SHAPES AND DIMENSIONS/CHARACTERISTICS





FOR IC

Part No.	Dimensions(mm)						Number of holes	Impedance Z(Ω)at 23°C	
	A	B	C*	P1	P2	øH		10MHz typ.	100MHz typ.
HF70MH2.5X7.6X8	10.16	10.16	1	2.54	7.62	1.08	8	9	20
HF70MH2.5X7.6X14	17.78	10.16	1	2.54	7.62	1.08	14	9	20
HF70MH2.5X7.6X16	20.32	10.16	1	2.54	7.62	1.08	16	9	20
HF70MH2.5X7.6X16A	20.32	10.16	1.5	2.54	7.62	1.08	16	13	29
HF70MH2.5X7.6X20	25.4	10.16	1	2.54	7.62	1.08	20	9	20

* Dimension C is alterable on request.

FOR CONNECTOR

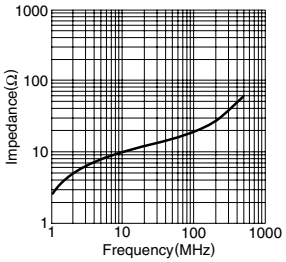
Part No.	Dimensions(mm)						Number of holes	Impedance Z(Ω)at 23°C	
	A	B	C*	P1	P2	øH		10MHz typ.	100MHz typ.
HF70MH2.5X2.5X8	10.16	7	3	2.54	2.54	1.08	8	39	61
HF70MH2.5X2.5X16	20.32	7	3	2.54	2.54	1.08	16	39	61
HF70MH2.5X2.5X20	25.4	7	3	2.54	2.54	1.08	20	39	61

* Dimension C is alterable on request.

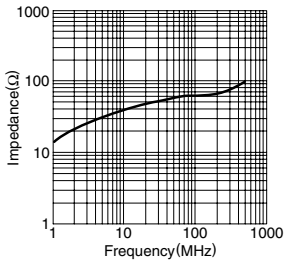
TYPICAL ELECTRICAL CHARACTERISTICS

IMPEDANCE vs. FREQUENCY CHARACTERISTICS

HF70MH2.5X7.6X□□*



HF70MH2.5X2.5X□□



* Number of holes