

EMC对策用铁氧体 铁氧体磁珠

BB系列（1孔）

Issue date: May 2011

●记载内容，在没有予告的情况下有可能改进和变更，请予以谅解。

●RoHS指令的对应：表示除了依据EU Directive 2002/95/EC免除的用途之外，未使用铅，镉，汞，六价铬及特定溴系难燃剂PBB，PBDE等。

EMC对策用铁氧体磁心

铁氧体磁珠

BB系列(1孔)

穿芯磁珠是一种使用简便的噪音对策产品。备有可对应所有用途的不同材质和形状的产品。

特点

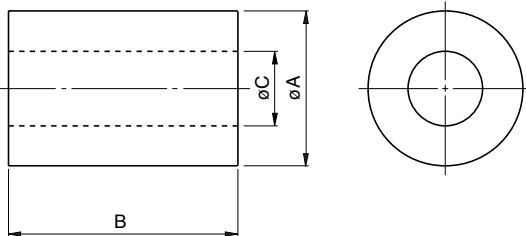
- 通过在丰富的品种中选择合适的材质和形状，可成为有效的噪音对策。

用途

影像设备，音响设备，电装设备，通信设备，办公自动化(OA)设备及其他。

- 阻止和吸收噪音的产生和侵入
- 防止寄生振荡

形状·尺寸/特性

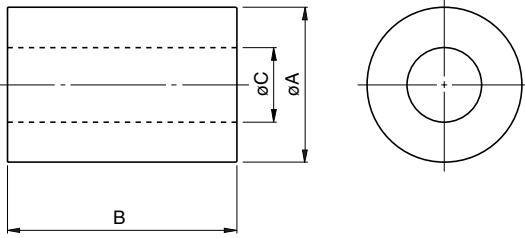


材质特性

材质	初始磁导率 μ_i	温度系数 $\alpha_{\mu i r}$ $\times 10^{-6}/^{\circ}\text{C}$	居里 温度 T_c ($^{\circ}\text{C}$)	饱和磁通密度 $B_s(\text{mT})$
HF70	1500	1 to 6	>100	280[H=1600A/m]
HF57	600	3 to 15	>150	370[H=4000A/m]
HF40	120	8 to 18	>250	410[H=4000A/m]
HF30	45	5 to 15	>300	320[H=4000A/m]

品名	尺寸 (mm)			阻抗 (Ω) [at 23 $^{\circ}\text{C}$]	
	A	B	C	代表 10MHz	代表 100MHz
HF30BB1.8X5X0.7	1.8 \pm 0.15	5.0 \pm 0.3	0.7 \pm 0.1	3.4	36
HF30BB2.5X2X0.8	2.5 \pm 0.15	2.0 \pm 0.2	0.8 \pm 0.1	1.9	20
HF30BB3.5X5X1	3.0 \pm 0.15	5.0 \pm 0.3	1.0 \pm 0.1	3.3	37
HF30BB3.5X5X1.3	3.5 \pm 0.15	5.0 \pm 0.3	1.3 \pm 0.1	3.2	32
HF30BB5X5X2	5.0 \pm 0.15	5.0 \pm 0.3	2.0 \pm 0.15	2.7	33
HF30BB6.4X5X3.2	6.4 \pm 0.2	5.0 \pm 0.2	3.2 \pm 0.15	2.6	26
HF40BB1.7X1.9X0.7	1.7 \pm 0.15	1.9 \pm 0.2	0.7 \pm 0.1	1.8	16
HF40BB3X5X1	3.0 \pm 0.15	5.0 \pm 0.3	1.0 \pm 0.1	9	60
HF40BB3.4X3X1	3.4 \pm 0.15	3.0 \pm 0.2	1.0 \pm 0.1	7	39
HF40BB3.5X5X1.3	3.5 \pm 0.15	5.0 \pm 0.3	1.3 \pm 0.1	9.1	50
HF40BB4.5X4X2.5-G	4.5 \pm 0.15	4.0 \pm 0.2	2.5 \pm 0.15	4.5	32
HF40BB4.5X5X1.6	4.5 \pm 0.15	5.0 \pm 0.3	1.6 \pm 0.1	11	60
HF40BB5X5X2	5.0 \pm 0.15	5.0 \pm 0.3	2.0 \pm 0.15	9.4	52
HF40BB5X6X2.5	5.0 \pm 0.15	6.0 \pm 0.3	2.5 \pm 0.15	10	50
HF40BB5.5X5X2.5	5.5 \pm 0.2	5.0 \pm 0.3	2.5 \pm 0.15	8.1	43
HF40BB6X3.8X3A-G	6.0 \pm 0.2	3.8 \pm 0.2	3.0 \pm 0.2	4	35
HF57BB2.85X2X1.35	2.85 \pm 0.1	2.0 \pm 0.15	1.35 \pm 0.1	8	23
HF57BB2.85X5X1.35	2.85 \pm 0.1	5.0 \pm 0.2	1.35 \pm 0.1	20	54
HF57BB3.35X2X2	3.35 \pm 0.2	2.0 \pm 0.1	2.0 \pm 0.2	6	20
HF57BB3.5X1X1.6	3.5 \pm 0.15	1.0 \pm 0.2	1.6 \pm 0.1	4.5	17
HF57BB3.5X1.5X1.3	3.5 \pm 0.15	1.5 \pm 0.15	1.3 \pm 0.1	9	23
HF57BB3.5X3X1.3	3.5 \pm 0.15	3.0 \pm 0.2	1.3 \pm 0.1	16	40
HF57BB3.5X5X1.3	3.5 \pm 0.15	5.0 \pm 0.3	1.3 \pm 0.1	28	65
HF57BB3.6X3.2X2.7	3.6 \pm 0.15	3.2 \pm 0.2	2.7 \pm 0.15	6	17
HF57BB4X2X2	4.0 \pm 0.15	2.0 \pm 0.15	2.0 \pm 0.15	8	24
HF57BB4X5X2	4.0 \pm 0.15	5.0 \pm 0.3	2.0 \pm 0.15	19	46
HF57BB4.5X4X2.5	4.5 \pm 0.15	4.0 \pm 0.2	2.5 \pm 0.15	14	37
HF57BB4.8X4.8X2.4	4.8 \pm 0.2	4.8 \pm 0.2	2.4 \pm 0.15	18	49
HF57BB5X5X2	5.0 \pm 0.15	5.0 \pm 0.3	2.0 \pm 0.15	25	59

形状・尺寸 / 特性

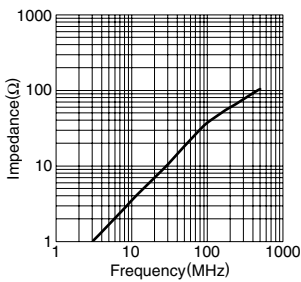


品名	尺寸 (mm)			阻抗 (Ω) [at 23°C]	
	A	B	C	代表 10MHz	代表 100MHz
HF70BB1.8X5X0.7	1.8±0.15	5.0±0.3	0.7±0.1	31	48
HF70BB2.5X2.2X0.8	2.5±0.15	2.2±0.2	0.8±0.1	15	27
HF70BB2.5X5X0.8	2.5±0.15	5.0±0.3	0.8±0.1	31	51
HF70BB3X5X1	3.0±0.15	5.0±0.3	1.0±0.1	33	53
HF70BB3.4X3X1	3.4±0.15	3.0±0.2	1.0±0.1	22	36
HF70BB3.5X2X1.3	3.5±0.15	2.0±0.15	1.3±0.1	13	24
HF70BB3.5X5X0.8	3.5±0.15	5.0±0.3	0.8±0.1	40	68
HF70BB3.5X3X1.3	3.5±0.15	3.0±0.2	1.3±0.1	17	28
HF70BB3.5X5X1.3	3.5±0.15	5.0±0.3	1.3±0.1	29	49
HF70BB3.5X10X1.3	3.5±0.15	10.0±0.4	1.3±0.1	53	92
HF70BB4.5X4X2.5	4.5±0.15	4.0±0.2	2.5±0.15	17	30
HF70BB4.5X5X1.6	4.5±0.15	5.0±0.3	1.6±0.1	31	53
HF70BB4X15X1.35	4+0.1, -0.2	15.0±0.5	1.35±0.1	92	155
HF70BB5X5X2	5.0±0.15	5.0±0.3	2.0±0.15	27	42
HF70BB5.5X5X2.5	5.5±0.2	5.0±0.3	2.5±0.15	22	38
HF70BB6X3.8X3	6.0±0.2	3.8±0.2	3.0±0.2	19	31
HF70BB6.4X4.5X3.2	6.4±0.2	4.5±0.2	3.2±0.15	22	37
HF70BB6.4X5X3.2	6.4±0.2	5.0±0.2	3.2±0.15	20	32
HF70BB6.4X10X3.2	6.4±0.2	10.0±0.5	3.2±0.15	40	63
HF70BB9X5X4.5	9.0±0.25	5.0±0.3	4.5±0.15	20	34
HF70BB9X10X4.5	9.0±0.25	10.0±0.4	4.5±0.15	40	68
HF70BB9.5X10.4X4.9	9.52±0.25	10.42±0.25	4.9±0.15	40	70

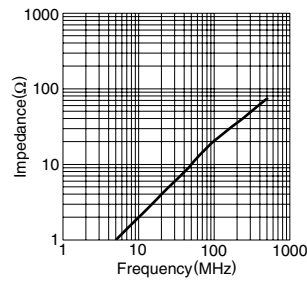
电气特性例

阻抗频率特性

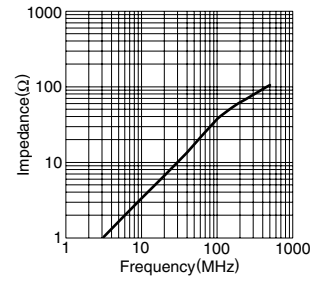
HF30BB1.8X5X0.7



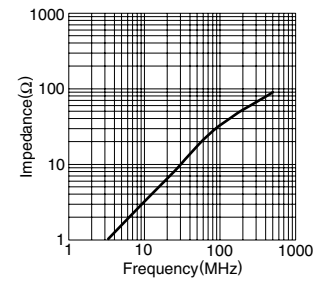
HF30BB2.5X2X0.8



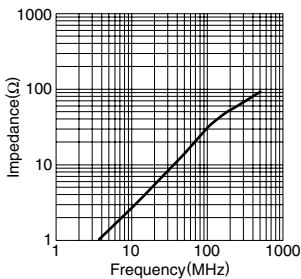
HF30BB3X5X1



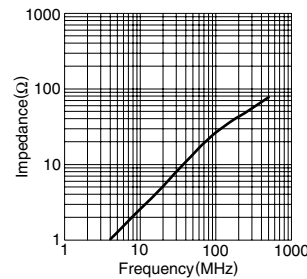
HF30BB3.5X5X1.3



HF30BB5X5X2



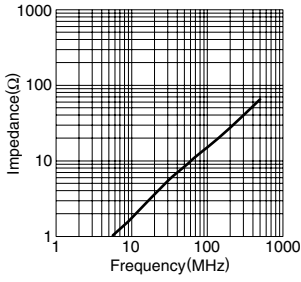
HF30BB6.4X5X3.2



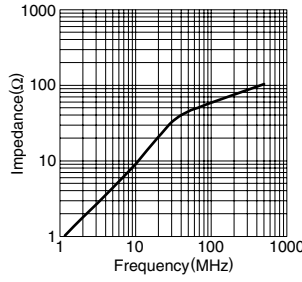
电气特性例

阻抗频率特性

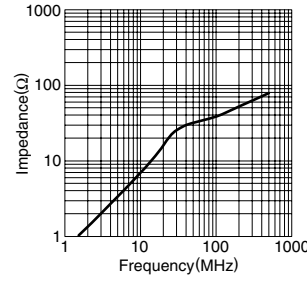
HF40BB1.7X1.9X0.7



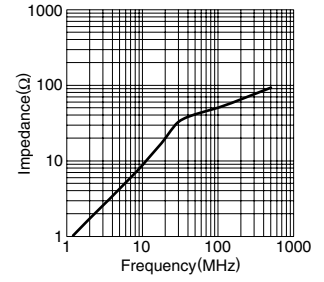
HF40BB3X5X1



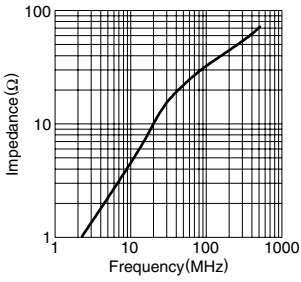
HF40BB3.4X3X1



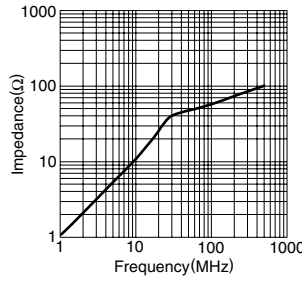
HF40BB3.5X5X1.3



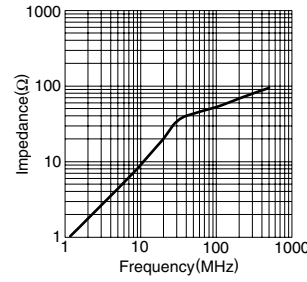
HF40BB4.5X4X2.5-G



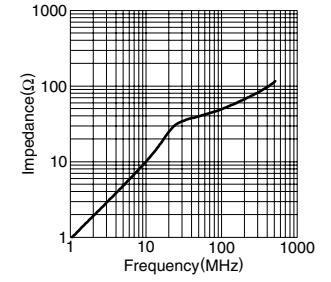
HF40BB4.5X5X1.6



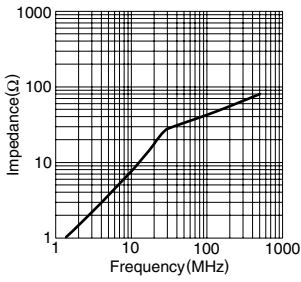
HF40BB5X5X2



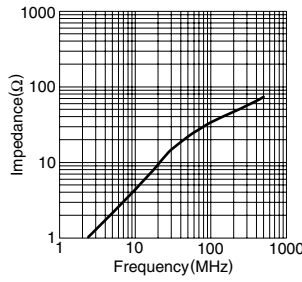
HF40BB5X6X2.5



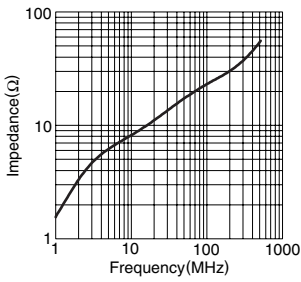
HF40BB5.5X5X2.5



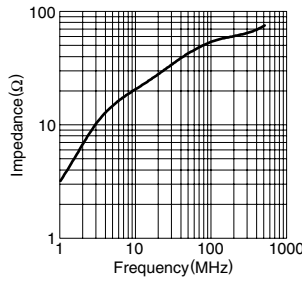
HF40BB6X3.8X3A-G



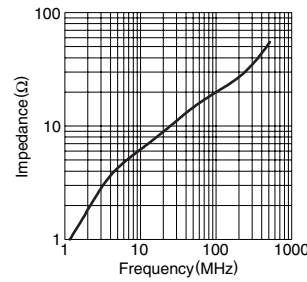
HF57BB2.85X2X1.35



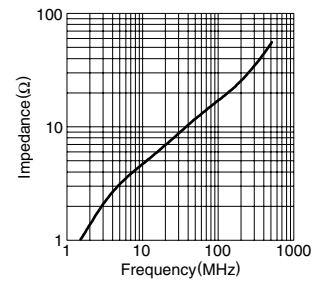
HF57BB2.85X5X1.35



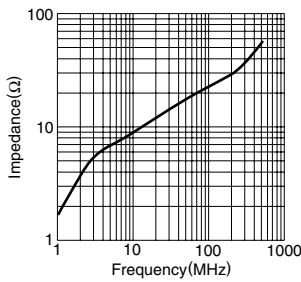
HF57BB3.35X2X2



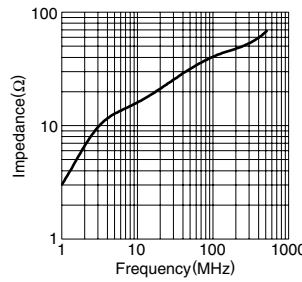
HF57BB3.5X1X1.6



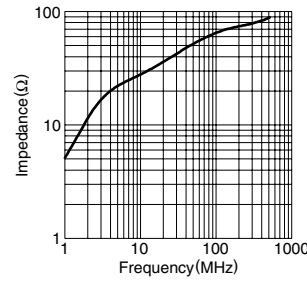
HF57BB3.5X1.5X1.3



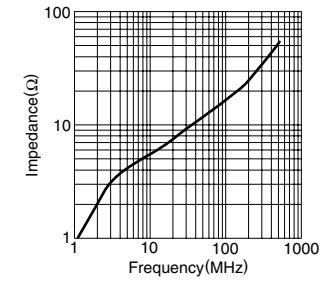
HF57BB3.5X3X1.3



HF57BB3.5X5X1.3

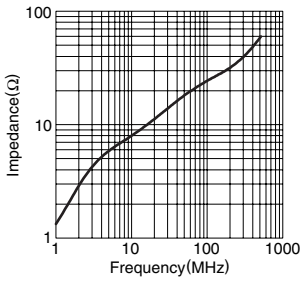


HF57BB3.6X3.2X2.7

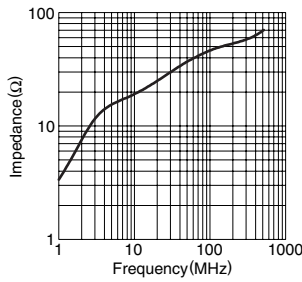


电气特性例
阻抗频率特性

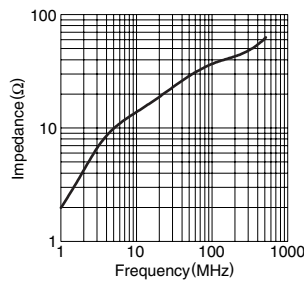
HF57BB4X2X2



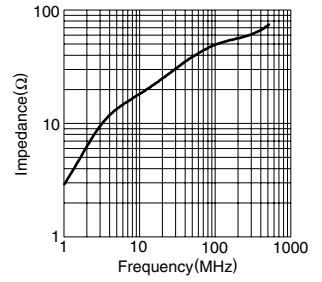
HF57BB4X5X2



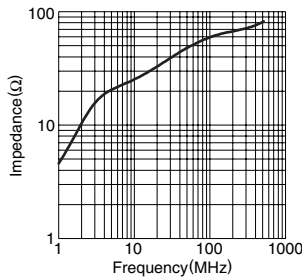
HF57BB4.5X4X2.5



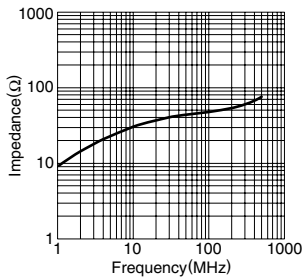
HF57BB4.8X4.8X2.4



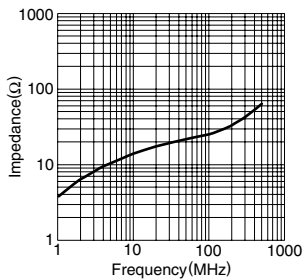
HF57BB5X5X2



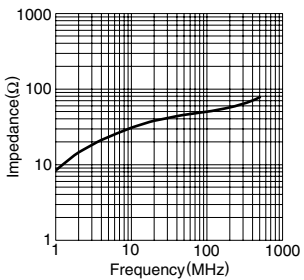
HF70BB1.8X5X0.7



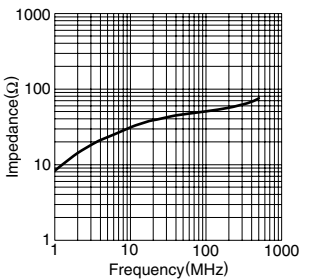
HF70BB2.5X2.2X0.8



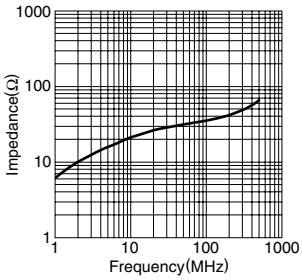
HF70BB2.5X5X0.8



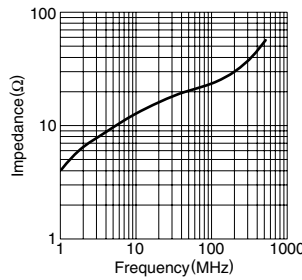
HF70BB3X5X1



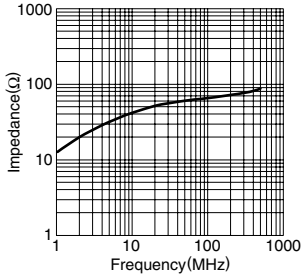
HF70BB3.4X3X1



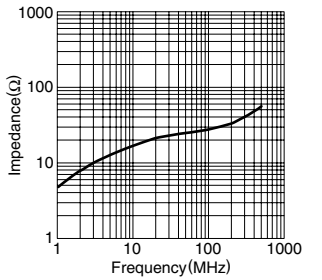
HF70BB3.5X2X1.3



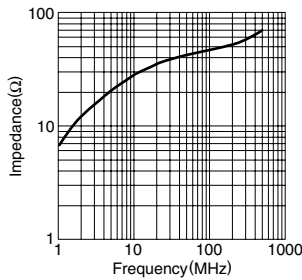
HF70BB3.5X5X0.8



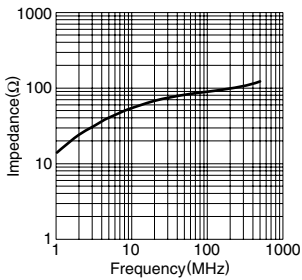
HF70BB3.5X3X1.3



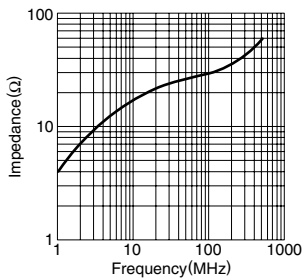
HF70BB3.5X5X1.3



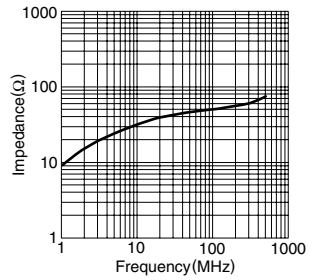
HF70BB3.5X10X1.3



HF70BB4.5X4X2.5



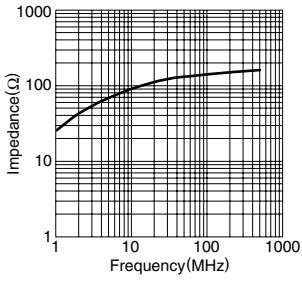
HF70BB4.5X5X1.6



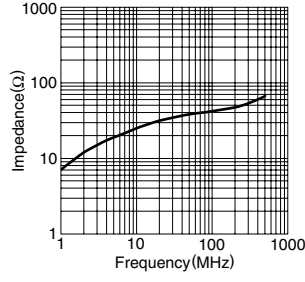
电气特性例

阻抗频率特性

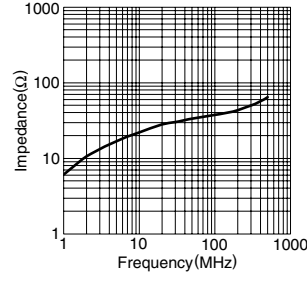
HF70BB4X15X1.35



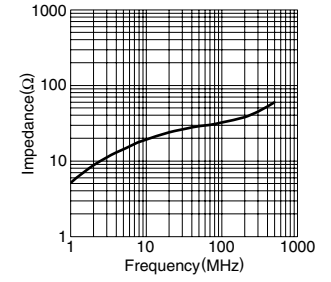
HF70BB5X5X2



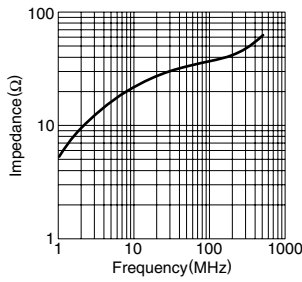
HF70BB5.5X5X2.5



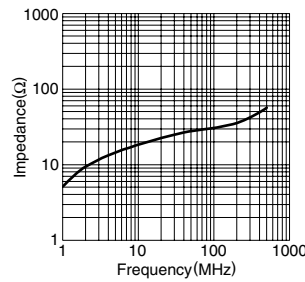
HF70BB6X3.8X3



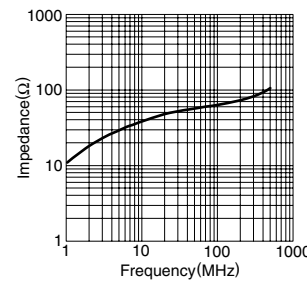
HF70BB6.4X4.5X3.2



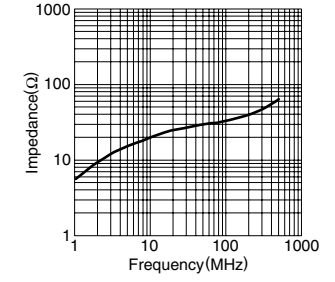
HF70BB6.4X5X3.2



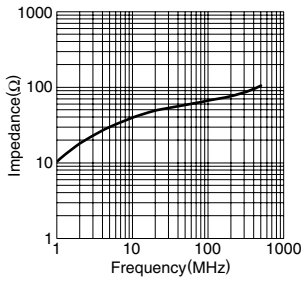
HF70BB6.4X10X3.2



HF70BB9X5X4.5



HF70BB9X10X4.5



HF70BB9.5X10.4X4.9

