

# EMC对策用铁氧体 扁平电缆和柔性基板用

SH系列（方形）

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 扁平电缆和柔性基板用

## SH系列(方形)

### 特点

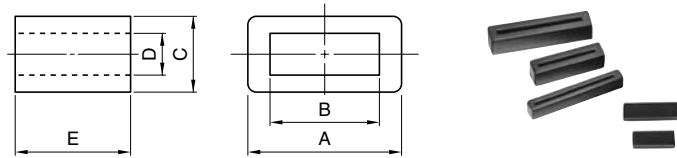
- 作为扁平电缆和柔性基板用的产品，备有一体型和分体型的多个品种。而且，还备有适合狭小空间用的超薄型产品。

### 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。

- 阻止和吸收自发噪音和侵入噪音
- 防止寄生振荡

### 形状·尺寸/特性

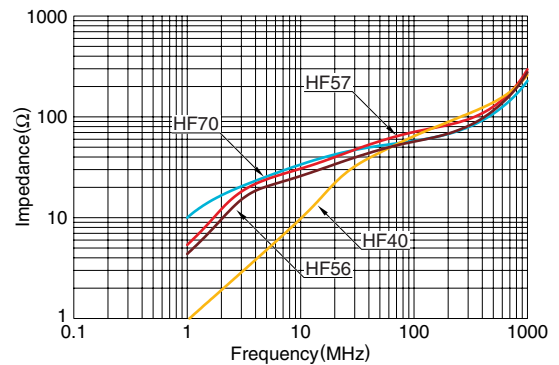


### 材质特性

材质	初始磁导率 $\mu_i$	温度系数 $\alpha_{\mu ir}$ $\times 10^{-6}/^{\circ}\text{C}$	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]
HF56	600	18 to 28	>130	290[H=4000A/m]
HF40	120	8 to 18	>250	410[H=4000A/m]

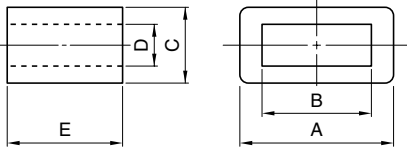
### 不同材质的阻抗特性例

形状：T20X10X12



品名	尺寸 (mm)					阻抗 Z (Ω) [at 23°C]		特点
	A	B	C	D	E	代表 10MHz	代表 100MHz	
HF70SH6X0.6X5	8.5±0.25	6.0±0.2	2.0±0.2	0.6±0.2	5.0±0.3	11	25	超薄型
HF70SH7X0.6X8	9.5±0.3	7.0±0.3	2.1±0.25	0.6±0.2	8.0±0.3	14	30	超薄型
HF70SH8X0.6X5	10.5±0.3	8.0±0.3	2.1±0.25	0.6±0.2	5.0±0.3	10	24	超薄型
HF56SH8X1X10	12.2±0.3	8.0±0.3	5.5±0.3	1.0±0.3	10.0±0.3	30	65	
HF70SH8X1X18	12.2±0.3	8.0±0.3	5.5±0.3	1.0±0.3	18.0±0.5	71	128	
HF70SH9X0.7X10	12.6±0.3	9.0±0.3	3.75±0.3	0.7±0.3	10.0±0.3	27	54	
HF56SH9X0.7X10	12.6±0.3	9.0±0.3	3.75±0.3	0.7±0.3	10.0±0.3	21	51	
HF70SH10X1X6	14.0±0.3	10.0±0.3	5.0±0.3	1.0±0.3	6.0±0.3	20	37	
HF56SH10X1X8	14.0±0.3	10.0±0.3	5.0±0.3	1.0±0.3	8.0±0.3	19	43	
HF40SH10X0.6X3-G	12.5±0.3	10.0±0.3	2.1±0.25	0.6±0.2	3.0±0.2	3	21	超薄型
HF70SH10X0.6X5	12.5±0.3	10.0±0.3	2.1±0.25	0.6±0.2	5.0±0.3	8	23	超薄型
HF70SH11X0.7X8	13.5±0.3	11.0±0.3	2.75±0.3	0.7±0.3	8.0±0.3	15	32	超薄型
HF70SH12X0.9X12	16.0±0.3	12.0±0.3	4.65±0.7	0.9±0.1	12.0±0.4	31	58	
HF70SH13X0.7X3A	17.0±0.5	13.0±0.4	2.3±0.25	0.7±0.2	3.0±0.2	5	19	超薄型
HF70SH13X0.7X7	17.0±0.5	13.0±0.4	2.75±0.3	0.7±0.3	7.0±0.4	12	36	超薄型
HF56SH13X0.7X8B	16.6±0.4	13.0±0.3	3.75±0.3	0.7±0.3	8.0±0.3	13	36	
HF70SH13X0.7X10	17.0±0.5	13.0±0.4	2.75±0.3	0.7±0.3	10.0±0.4	17	40	超薄型
HF70SH13X0.7X12	17.0±0.5	13.0±0.4	2.75±0.3	0.7±0.3	12.0±0.4	19	45	超薄型
HF56SH13X0.7X12B	16.6±0.4	13.0±0.3	3.75±0.3	0.7±0.3	12.0±0.5	19	53	
HF70SH13X1.3X12	17.0±0.5	13.0±0.4	3.5±0.3	1.3±0.3	12.0±0.4	19	41	
HF70SH15X0.7X8	17.5±0.4	15.0±0.3	2.75±0.3	0.7±0.3	8.0±0.3	12	36	超薄型
HF40SH15X0.7X8-G	17.5±0.4	15.0±0.3	2.75±0.3	0.7±0.3	8.0±0.3	4.5	34	超薄型
HF70SH15X0.7X10	17.5±0.4	15.0±0.3	2.75±0.3	0.7±0.3	10.0±0.3	14	40	超薄型
HF56SH15X0.7X12A	18.6±0.4	15.0±0.3	3.75±0.3	0.7±0.3	12.0±0.5	17	52	
HF70SH17.5X0.6X8	20.5±0.4	17.5±0.4	2.0±0.2	0.6±0.2	8.0±0.3	8	33	超薄型

## 形状・尺寸 / 特性

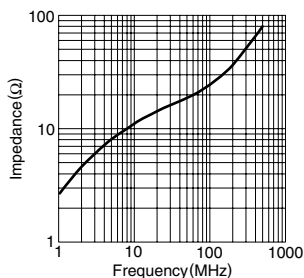


品名	尺寸 (mm)					阻抗 Z (Ω)[at 23°C]		特点
	A	B	C	D	E	代表 10MHz	代表 100MHz	
HF40SH18.5X0.7X8-G	21.5±0.4	18.5±0.4	3.0±0.3	0.7±0.3	8.0±0.3	5	36	超薄型
HF70SH18.5X0.7X6	21.5±0.4	18.5±0.4	3.0±0.3	0.7±0.3	6.0±0.3	9	27	超薄型
HF70SH18.5X0.7X8	21.5±0.4	18.5±0.4	3.0±0.3	0.7±0.3	8.0±0.3	11	33	超薄型
HF70SH18.8X1.1X7	23.8±0.4	18.8±0.4	6.3±0.4	1.1±0.2	7.0±0.5	19	41	
HF56SH18.8X1.1X7	23.8±0.4	18.8±0.4	6.3±0.4	1.1±0.3	7.0±0.3	13	35	
HF70SH18.8X1.1X15	23.8±0.4	18.8±0.4	6.3±0.4	1.1±0.2	15.0±0.5	38	75	
HF56SH18.8X1.1X15	23.8±0.4	18.8±0.4	6.3±0.4	1.1±0.2	15.0±0.5	29	74	
HF70SH20X0.5X8	22.6±0.4	20.0±0.4	1.8±0.25	0.5±0.2	8.0±0.3	8	35	超薄型
HF70SH20X0.7X8	23.0±0.6	20.0±0.6	3.0±0.4	0.7±0.4	8.0±0.5	12	37	超薄型
HF70SH20X0.7X12	23.0±0.6	20.0±0.6	3.0±0.4	0.7±0.4	12.0±0.5	15	50	超薄型
HF70SH20X0.9X12	23.0±0.6	20.0±0.6	3.0±0.4	0.9±0.2	12.0±0.5	14	40	超薄型
HF70SH21X0.8X7	25.0±0.8	21.0±0.7	5.0±0.5	0.8±0.4	7.0±0.5	16	45	
HF70SH21X0.8X12	25.0±0.8	21.0±0.7	5.0±0.5	0.8±0.4, -0.3	12.0±0.5	22	53	
HF56SH21X0.8X12	25.0±0.8	21.0±0.7	5.0±0.5	0.8±0.4	12.0±0.5	18	56	
HF70SH22X0.8X7	26.0±0.8	22.0±0.7	5.0±0.5	0.8±0.4	7.0±0.5	15	40	
HF56SH22X0.8X12	26.0±0.8	22.0±0.7	5.0±0.5	0.8±0.4	12.0±0.5	17	56	
HF70SH25X0.7X10	28.6±0.4	25.0±0.5	3.75±0.4	0.7±0.3	10.0±0.3	14	47	
HF70SH25X1X15	31.0±0.5	25.0±0.5	7.0±0.3	1.0±0.3	15.0±0.8	36	80	
HF70SH27X1.3X10	33.5±0.8	27.0±0.8	6.5±0.4	1.3±0.3	10.0±0.5	21	55	
HF56SH27X1.3X10	33.5±0.8	27.0±0.8	6.5±0.4	1.3±0.3	10.0±0.5	14	45	
HF70SH28X0.7X12	32.0±0.8	28.0±0.8	3.5±0.4	0.7±0.4	12.0±0.5	16	58	
HF70SH28X2X10	34.0±0.5	28.0±0.5	7.5±0.5	2.0±0.2	10.0±0.3	23	53	
HF70SH32X2X12.5	40.0±1.0	32.0±1.0	10.0±0.5	2.0±0.5	12.5±0.5	27	64	
HF70SH32X2X25	40.0±1.0	32.0±1.0	10.0±0.5	2.0±0.5	25.0±1.0	52	120	
HF70SH35X0.8X8	39.0±0.8	35.0±0.8	4.0±0.5	0.8±0.5	8.0±0.5	10	40	
HF70SH35X0.8X12	39.0±0.8	35.0±0.8	4.0±0.5	0.8±0.5	12.0±0.5	15	60	
HF70SH35X1.3X12	40.0±1.0	35.0±1.0	6.5±0.4	1.3±0.3	12.0±0.5	19	58	
HF56SH35X1.3X12	40.0±1.0	35.0±1.0	6.5±0.4	1.3±0.3	12.0±0.5	16	60	
HF70SH40X1.3X8	46.5±1.0	40.0±1.0	6.5±0.4	1.3±0.3	8.0±0.4	12	41	
HF70SH40X2X12	50.0±0, -2.0	40.0±2.0, -0	12.0±0.5	2.0±0.5	12.0±1.0	25	60	
HF70SH41X0.8X12	46.0±1.0	41.0±1.0	4.5±0.5	0.8±0.5, -0.2	12.0±0.5	16	60	
HF70SH42X0.9X12	47.0±1.0	42.0±0.8	4.6±0.5	0.95±0.35	12.0±0.5	14	55	
HF70SH46X1.9X10	53.0±1.0	46.0±1.0	7.1±0.6	1.9±0.5	10.0±0.5	15	48	
HF70SH46X1.9X13	56.0±1.0	46.0±1.0	12.0±0.5	1.9±0.5	13.0±0.5	29	73	
HF70SH52X1X12	57.0±1.0	52.0±1.0	5.0±0.5	1.0±0.5	12.0±0.5	16	62	

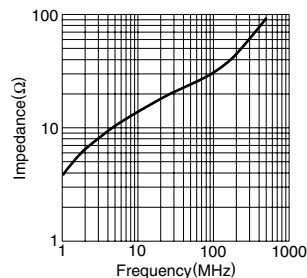
## 电气特性例

### 阻抗频率特性

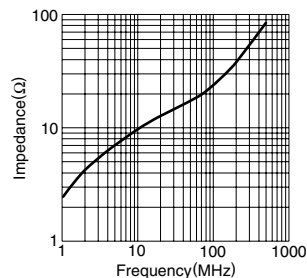
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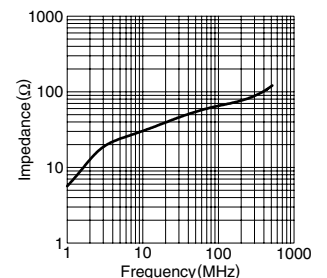
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#### HF70SH8X0.6X5



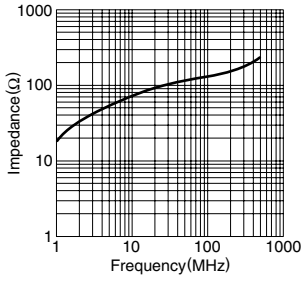
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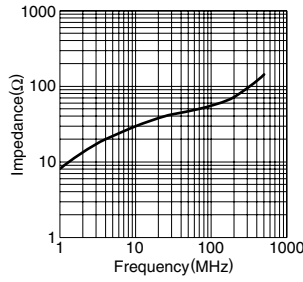
电气特性例

阻抗频率特性

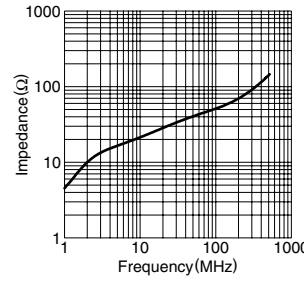
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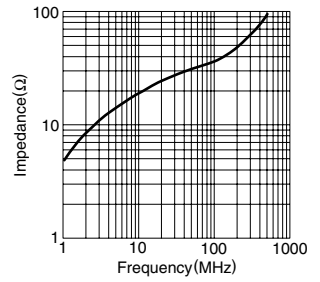
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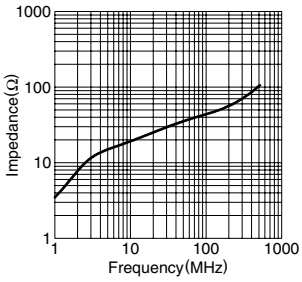
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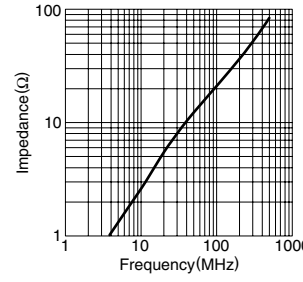
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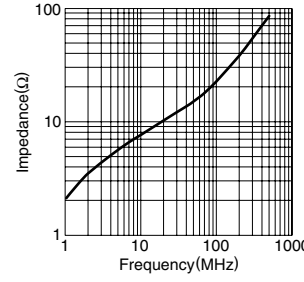
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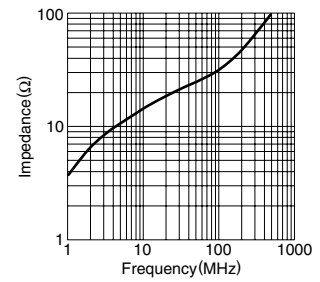
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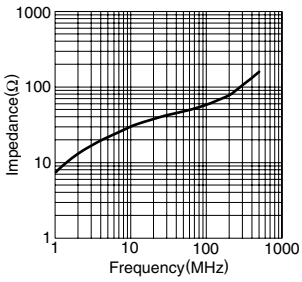
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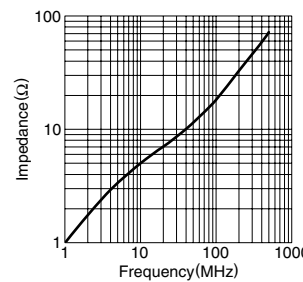
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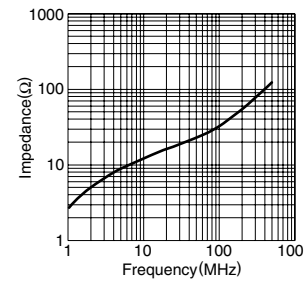
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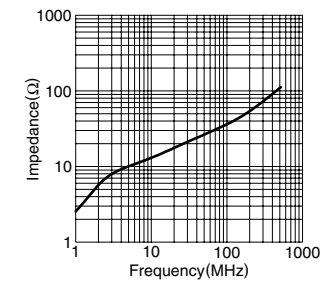
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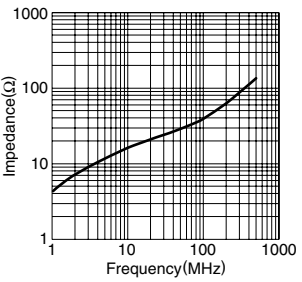
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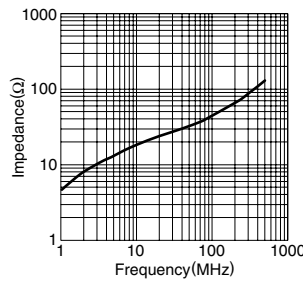
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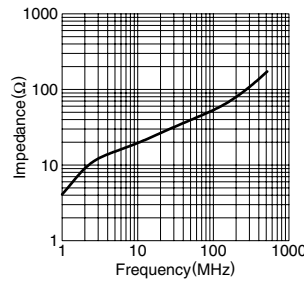
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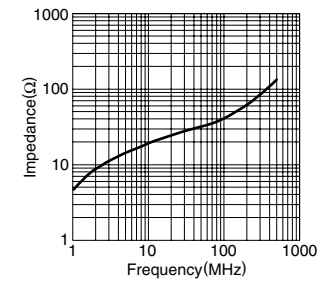
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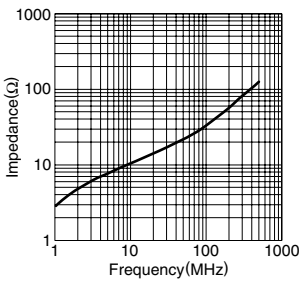
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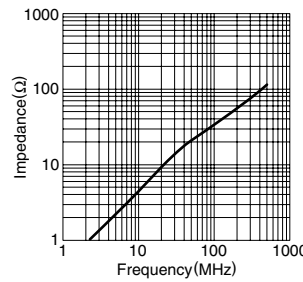
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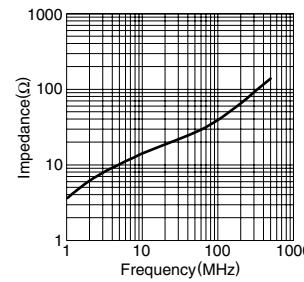
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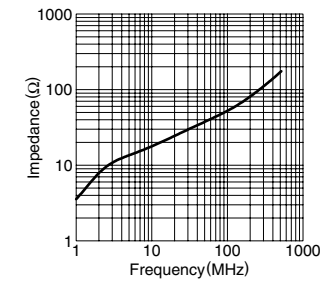
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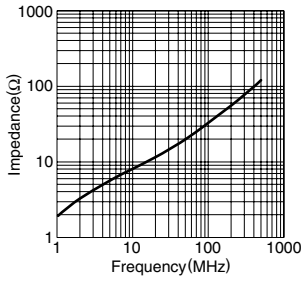


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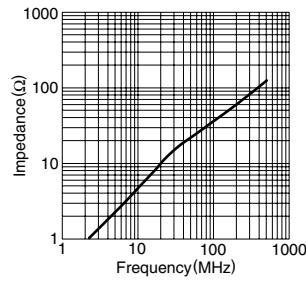


电气特性例  
阻抗频率特性

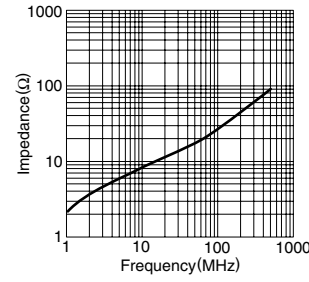
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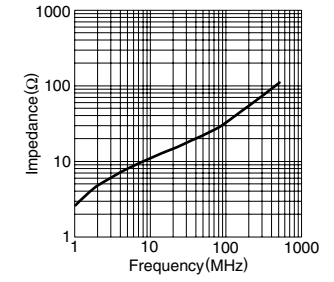
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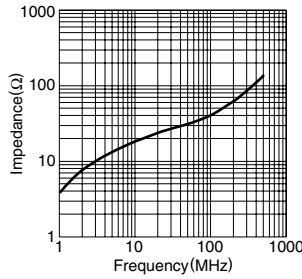
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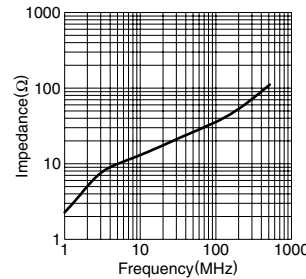
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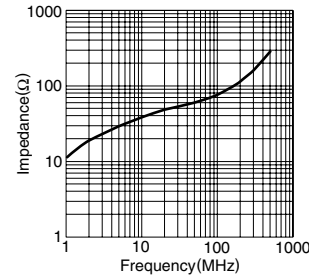
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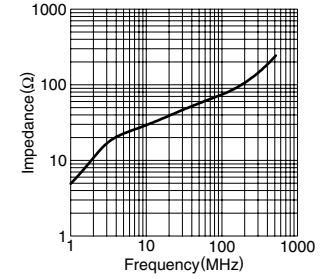
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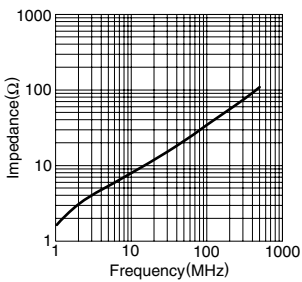
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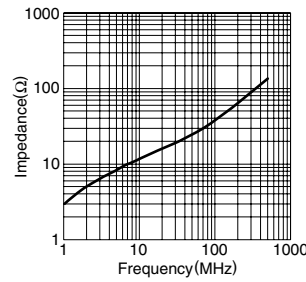
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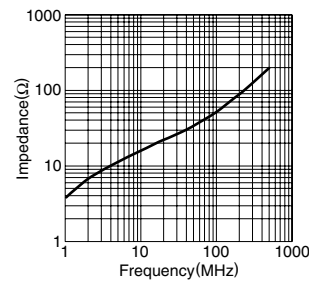
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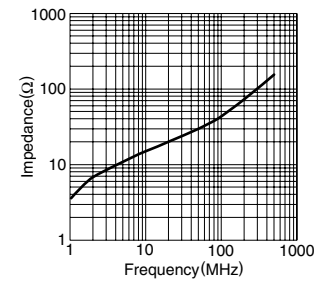
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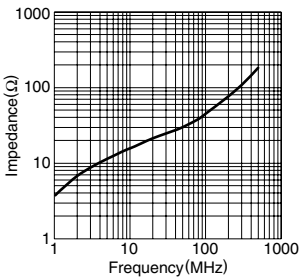
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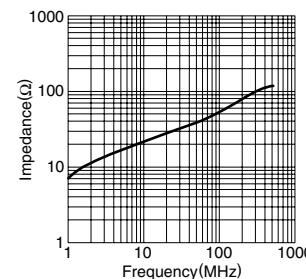
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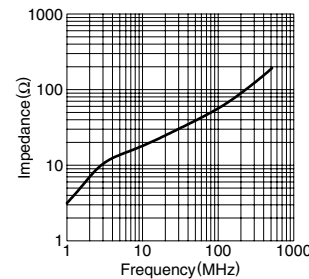
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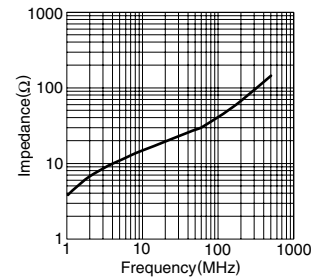
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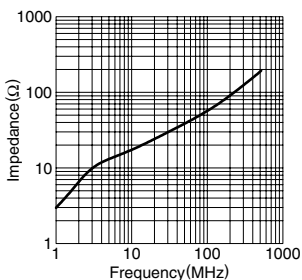
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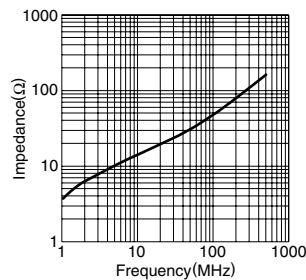
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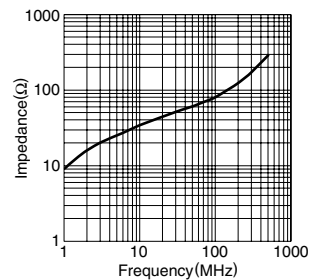
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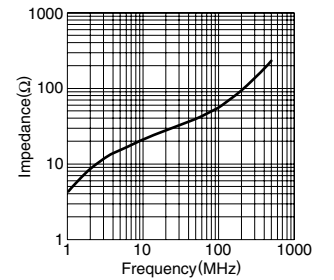
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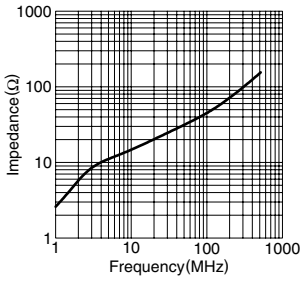
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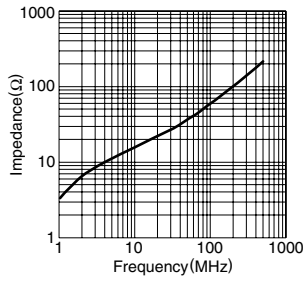
电气特性例

阻抗频率特性

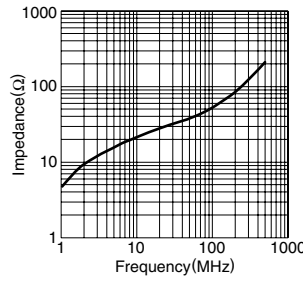
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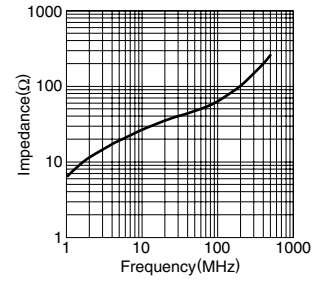
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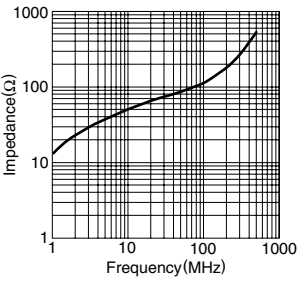
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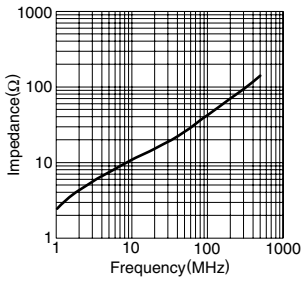
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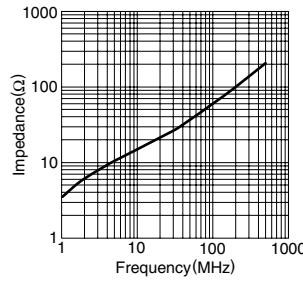
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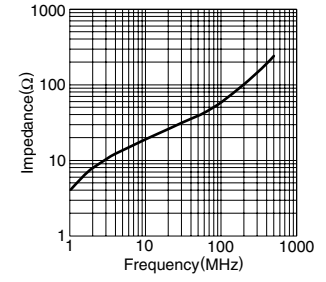
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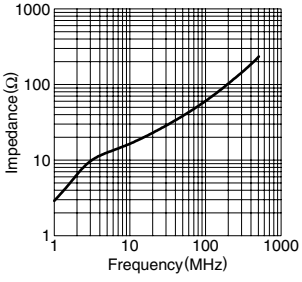
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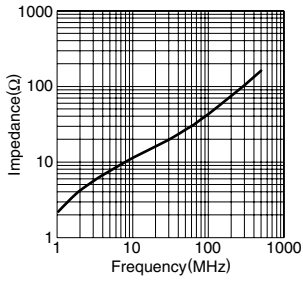
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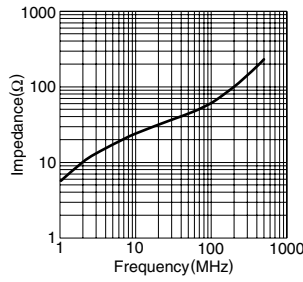
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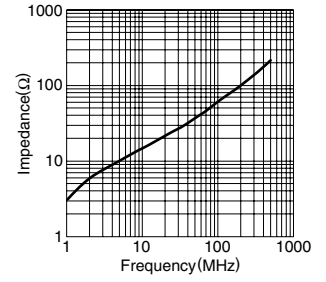
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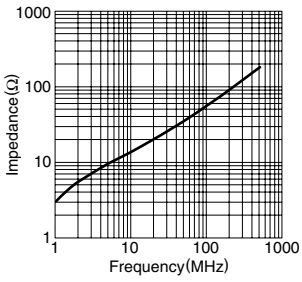
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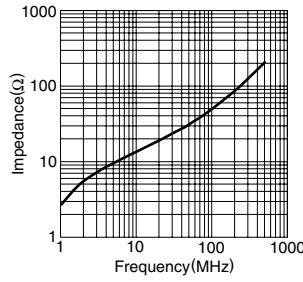
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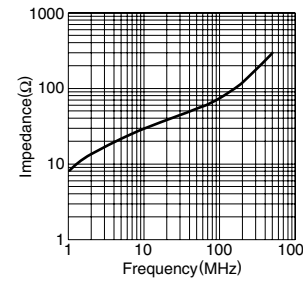
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