

电源电路用电感器

绕组/STD・磁屏蔽

LTF系列

Type: LTF5022

Issue date: September 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。

电源电路用电感器

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RoHS指令对应产品

LTF系列 LTF5022

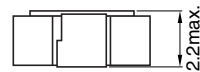
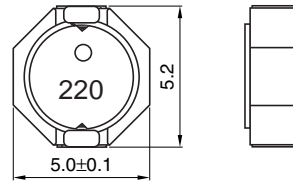
特点

- 袖珍尺寸。
部件安装面积为5.0×5.2mm。
最大高度为2.2mm的低背型。
- 是额定直流电流的大功能产品。
- 利用磁铁芯的磁力屏蔽型产品。
- 通过编带可实现自动装附。
- 本产品不含铅，可适用无铅焊料。

用途

数字摄录机，数码照相机，PDA，硬盘驱动器，液晶显示器，手机，无绳电话及其他

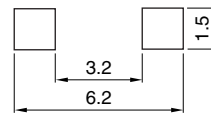
形状·尺寸



Dimensions in mm



推荐印刷电路板图样



Dimensions in mm

电气特性

品名	电感 (μH)	电感容差 (%)	测定频率 (kHz)	直流电阻(Ω)		额定电流(A)*	
				最大	代表	基于电感变化率时 最大	基于温度上升时 代表
LTF5022T-1R2N4R2-LC	1.2	± 30	100	0.025	0.021	4.3	4.2
LTF5022T-1R8N3R6-LC	1.8	± 30	100	0.032	0.028	3.6	3.8
LTF5022T-2R2N3R2-LC	2.2	± 30	100	0.040	0.036	3.2	3.4
LTF5022T-3R3N2R5-LC	3.3	± 30	100	0.060	0.054	2.5	2.7
LTF5022T-4R7N2R0-LC	4.7	± 30	100	0.081	0.073	2.0	2.3
LTF5022T-100M1R4-LC	10.0	± 20	100	0.16	0.14	1.4	1.7
LTF5022T-220MR98-LC	22.0	± 20	100	0.32	0.28	0.9	1.2

* 额定电流: 是指基于电感变化率时(比初始值低30%)和基于温度上升时(因自身发热而温度上升40°C)两者中的较小值。

●工作温度范围: -40~+105°C(包括自身温度上升量)

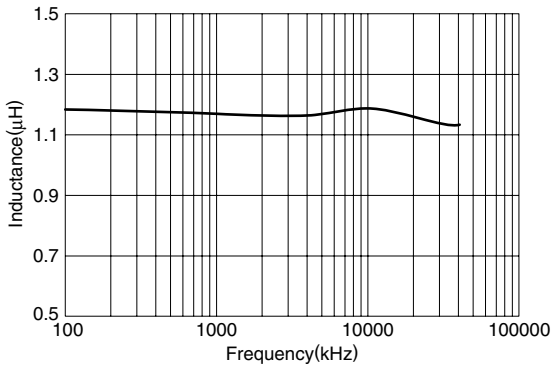
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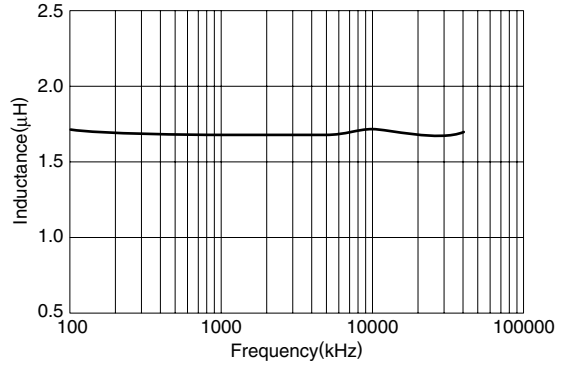
电气特性例

电感频率特性

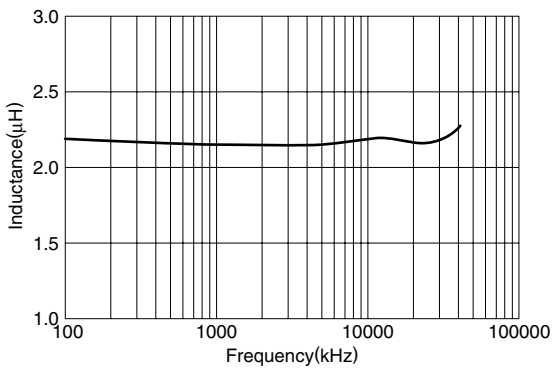
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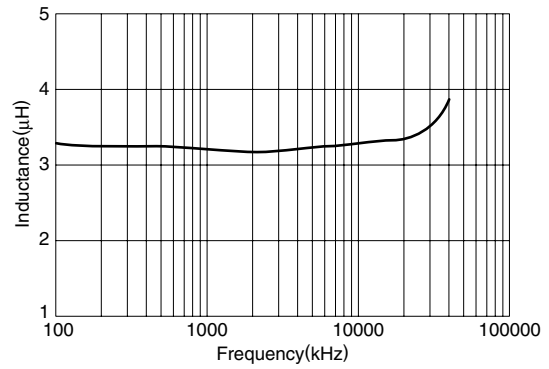
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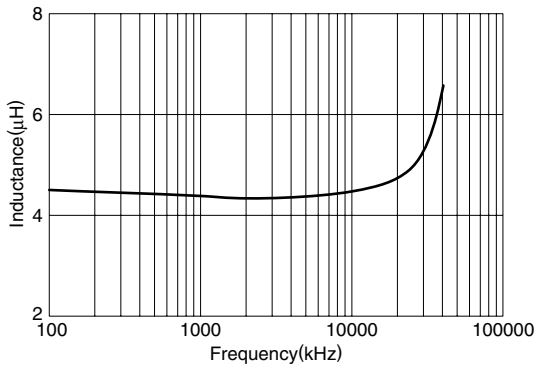
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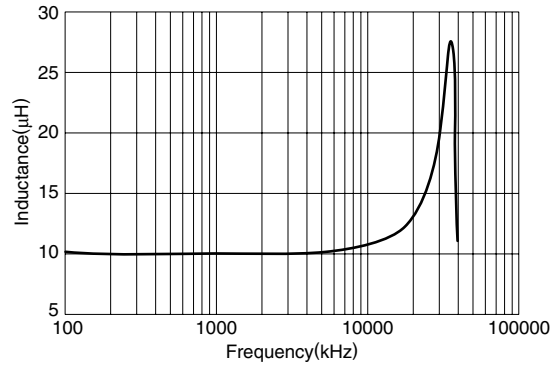
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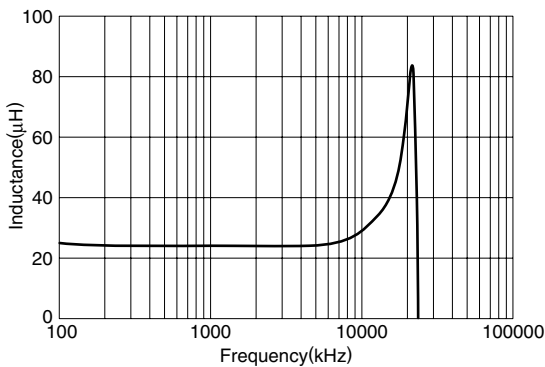
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LTF5022T-100M1R4



LTF5022T-220MR98



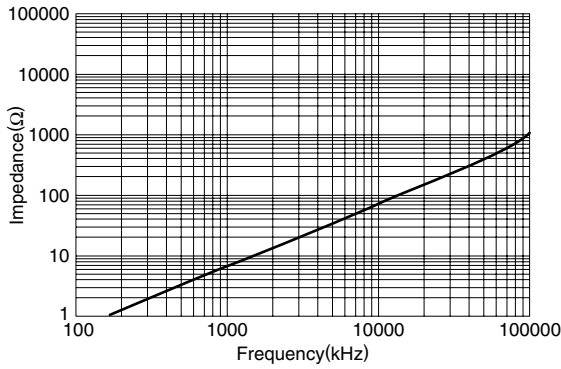
• TEST EQUIPMENT: YHP4194A IMPEDANCE/GAIN-PHASE ANALYZER

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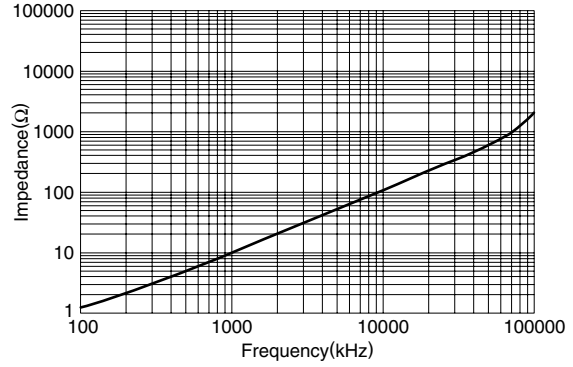
电气特性例

阻抗频率特性

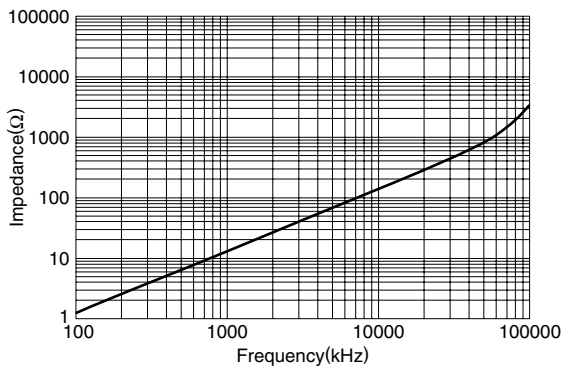
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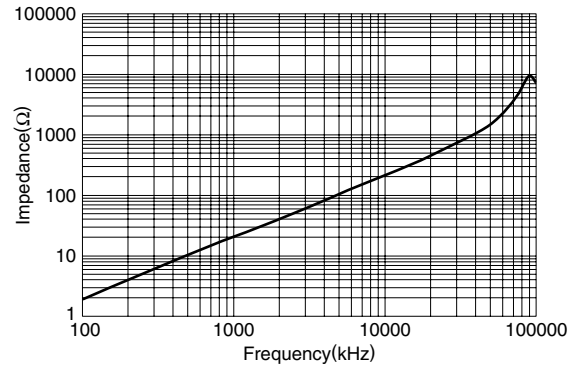
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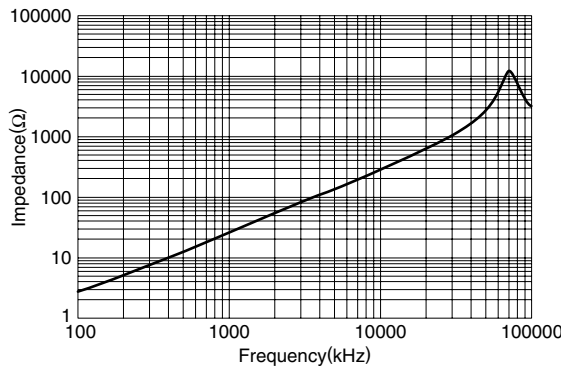
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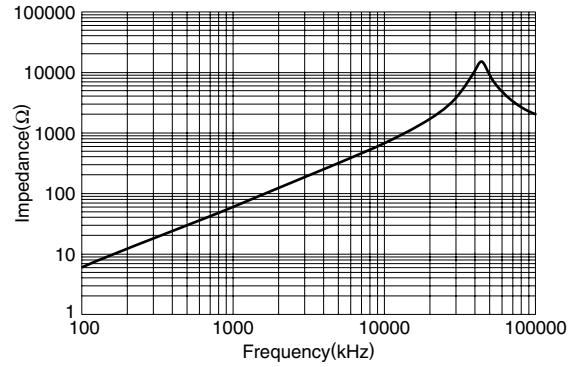
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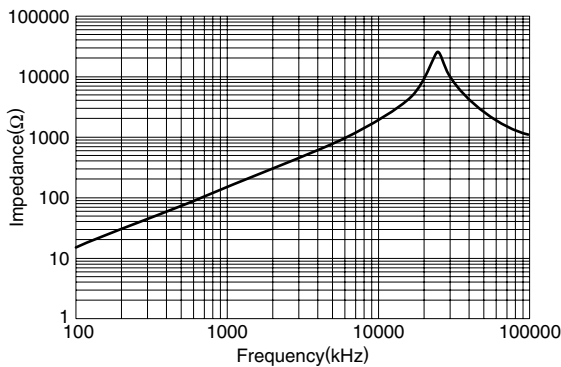
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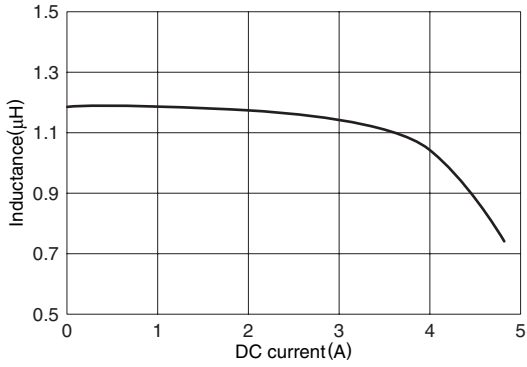
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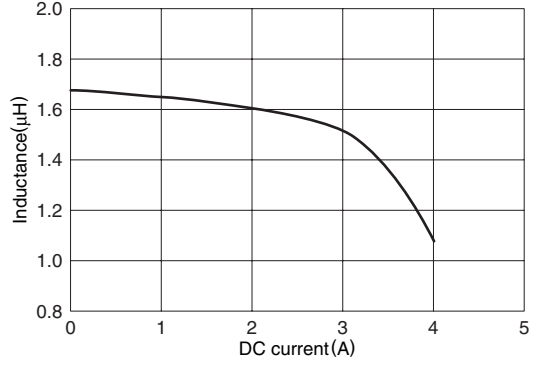
电气特性例

电感直流重叠特性

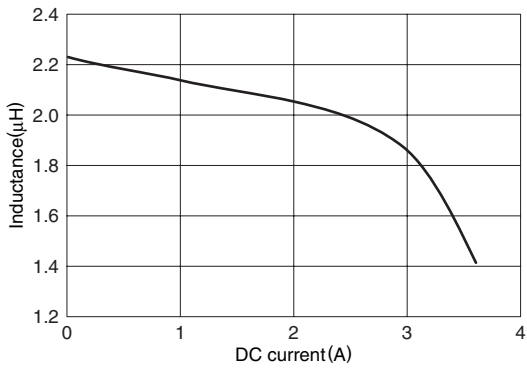
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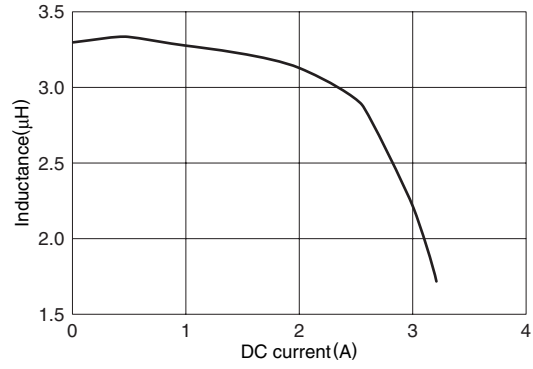
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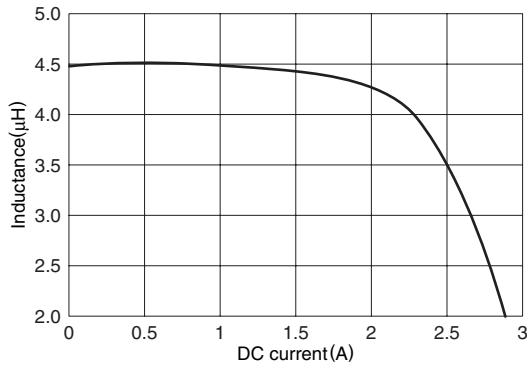
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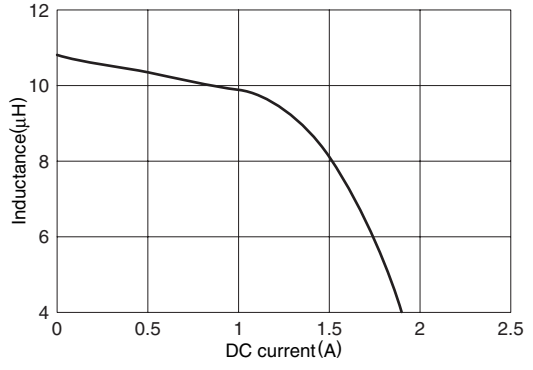
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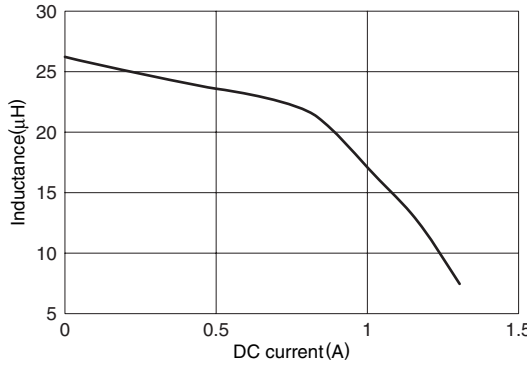
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LTF5022T-100M1R4



LTF5022T-220MR98



• TEST EQUIPMENT: HP4285A LCR METER(f=100kHz) DC CONSTANT CURRENT SOURCE

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