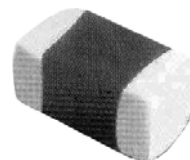


叠层片式扼流电感—ALMFB 系列

Multilayer Chip Inductor for Choke- ALMFB Series

Operating Temp. : -40℃~ +85℃



特征

- 迭层独石结构、高度可靠性
- 良好的可焊性和耐焊性
- 良好的磁屏蔽，无交叉耦合
- 通过磁体材料的改进，偏置电流大幅度提高
- 直流电阻大幅度降低

FEATURES

- Monolithic structure for high reliability
- Excellent solderability and high heat resistance
- No cross coupling due to magnetic shield
- High DC bias current due to developed material
- Low DC resistance

用途

- 用于个人电脑、移动电话、数码照相机、数码摄像机、音乐播放器等各种消费类电子设备直流电源线的扼流线路

APPLICATIONS

- Choke circuits in DC power line of consumer electronics such as personal computers, mobile phones, digital cameras, digital video cameras, and music players

产品型号

PRODUCT IDENTIFICATION

ALMFB

1608

—

1R0

M

I

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③

④

⑤

①

分类 Type	
ALMFB	片式扼流电感 Chip Inductor for Choke

②

外形尺寸(L×W) (mm) External Dimensions (L×W) (mm)	
1608 [0603]	1.6×0.8
2012 [0805]	2.0×1.25

③

公称电感量 Nominal Inductance	
Example	Nominal Value
1R0	1.0μH
※R=小数点	

④

电感公差 Inductance Tolerance	
M	±20%
N	±30%

⑤

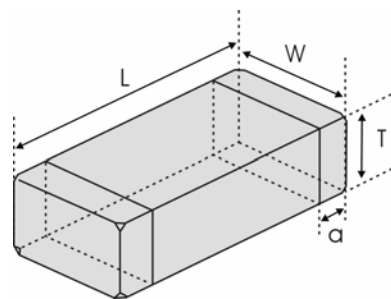
包装 Packing	
B	散装 Bulk Package
T	编带 Tape & Reel

外观尺寸

SHAPE AND DIMENSIONS

Unit: mm [inch]

Type	L	W	T	a
ALMFB1608 [0603]	1.6±0.15 [.063±.006]	0.8±0.15 [.031±.006]	0.8±0.15 [.031±.006]	0.3±0.2 [.012±.008]
ALMFB2012 [0805]	2.0 (+0.3, -0.1) [.079 (+.012, -.004)]	1.25±0.2 [.049±.008]	0.85±0.2 [.033±.008]	0.5±0.3 [.020±.012]
			1.25±0.2 [.049±.008]	



Type	Weight(mg)	Quantity /Reel	Reel and Tape width
ALMFB1608	5	4,000	7", 8mm
ALMFB2012	10	3,000/4,000	7", 8mm

规格特性

SPECIFICATIONS

ALMFB1608 TYPE

Part Number 型号	Inductance 电感量	L Test Freq. L 测试频率	Min. Self-resonant Frequency 自谐振频率	DC Resistance 直流电阻	Max. Rated Current 额定电流	Thickness 厚度
Units 单位	μH	MHz	MHz	Ω	mA	mm [inch]
Symbol 符号	L	Freq.	S.R.F	DCR	I _r	T
ALMFB1608-1R0 □	1.0	1	75	0.20±30%	190	0.8±0.15 [.031±.006]
ALMFB1608-2R2 □	2.2	1	50	0.40±30%	140	
ALMFB1608-4R7 □	4.7	1	35	0.60±30%	100	

※□: Please specify the inductance tolerance code (M=±20%, N=±30%).

ALMFB2012 TYPE

Part Number 型号	Inductance 电感量	L Test Freq. L 测试频率	Min. Self-resonant Frequency 自谐振频率	DC Resistance 直流电阻	Max. Rated Current 额定电流	Thickness
Units 单位	μH	MHz	MHz	Ω	mA	mm [inch]
Symbol 符号	L	Freq.	S.R.F	DCR	I _r	T
ALMFB2012-1R0 □	1.0	1	75	0.20±30%	300	0.85±0.2 [.033±.008]
ALMFB2012-2R2 □	2.2	1	50	0.28±30%	220	
ALMFB2012-4R7 □	4.7	1	25	0.30±30%	180	
ALMFB2012-100 □	10	1	15	0.50±30%	60	1.25±0.2 [.049±.008]

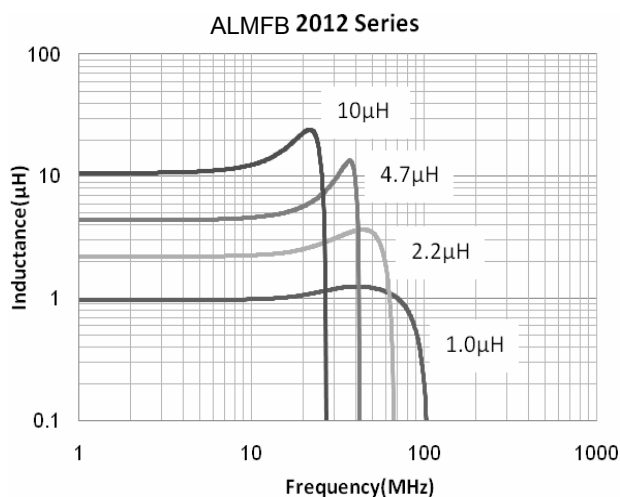
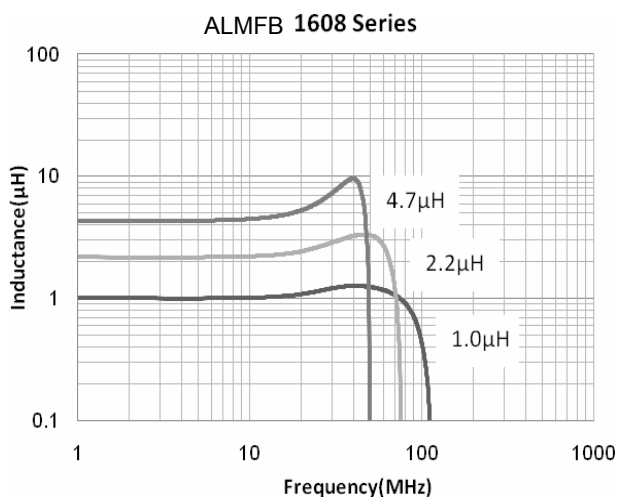
※□: Please specify the inductance tolerance code (M=±20%, N=±30%);

电气特性

TYPICAL ELECTRICAL CHARACTERISTICS

电感量频率特性

Inductance vs. Frequency Characteristics

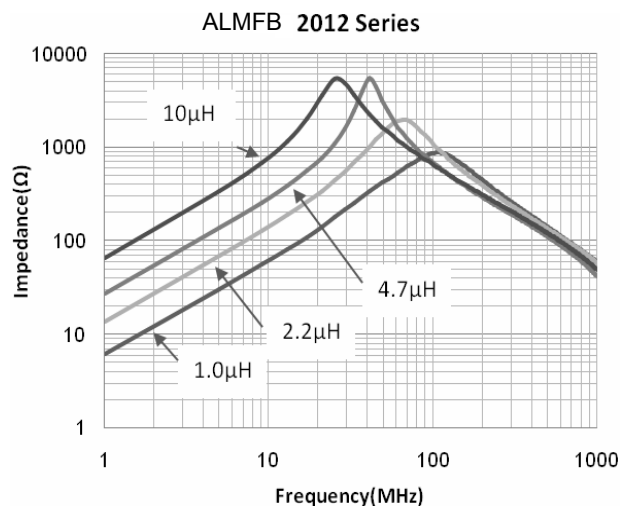
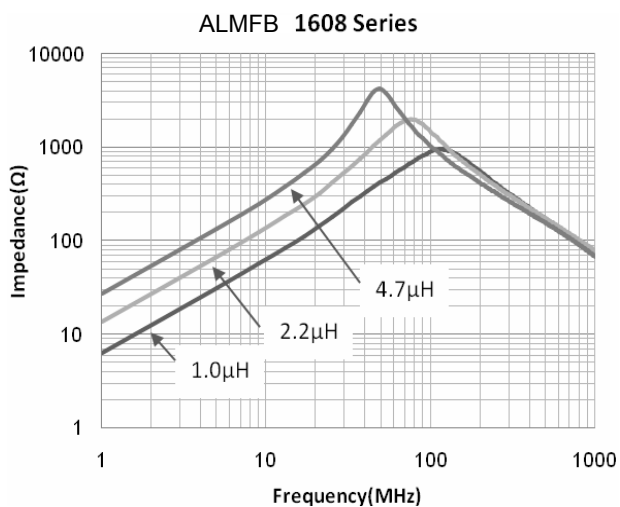


电气特性

TYPICAL ELECTRICAL CHARACTERISTICS

阻抗频率特性

Impedance vs. Frequency Characteristics



电感量直流偏置特性

Inductance vs. DC Current Characteristics

