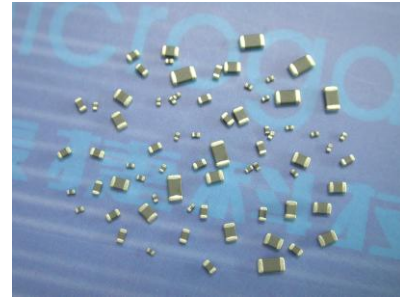


Chip Large Current Inductor (片式大电流电感 MGFL 系列)

FEATURES 特点

- Compact size and light weight 尺寸小, 重量轻
- Excellent solderability and heat resistance for either flow or reflow soldering 良好的可焊性和耐焊性
- No cross coupling between inductors due to magnetic shield 良好的磁屏蔽抗干扰性
- Low RDC and High IDC 低直流电阻和高 IDC 特点



APPLICATIONS 应用

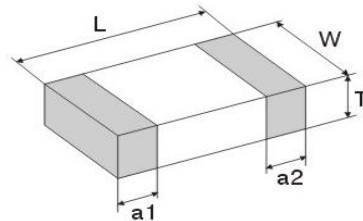
- Cellular platform DC-DC converter circuit(移动设备用 DC-DC 转换器电路)
- Portable AV equipment (digital camera, DVD Type) 便携式 AV 设备 (数码照相机, DVD 等)
- Cellular platform(handset Type) 移动通讯设备 (手机等)
- Memex(computer Type) 信息机器 (电脑等)

Product Identification 产品标识

MGFL 2520 G 2R2 N I - LF
① ② ③ ④ ⑤ ⑥ ⑦

- ① Series name 系列名称
- ② Dimension 产品尺寸 LxW: 【2520: 2.5mmx2.0mm】
- ③ Material code 材料代码
- ④ Inductance 电感量: 【R47=0.47 uH 2R2=2.2uH 】
- ⑤ Tolerance of Inductance 电感量公差: 【 N: ±30%】
- ⑥ Packing Style: 【 T: Taping 编带盘装 B: Bulk 散装】
- ⑦ Lead free products 无铅产品

Shapes And Dimensions 外形及尺寸示意图



Type 型号	Dimensions (mm) [inch]			
	L长	W宽	T高	a1, a2
2016 (0806)	2.00±0.20[0.079±0.008]	1.60±0.20[0.063±0.008]	1.0 Max (0.04 Max)	0.50±0.30[0.02±0.012]
2520[1008]	2.50±0.20[0.098±0.008]	2.00±0.20[0.079±0.008]	1.0 Max (0.04 Max)	0.50±0.30[0.02±0.012]
252012 [1008]	2.50±0.20[0.098±0.008]	2.00±0.20[0.079±0.008]	1.2Max (0.04 7Max)	0.50±0.30[0.02±0.012]

Electrical Characteristics 电气性能

MGFL 2016G (0806) Series

Part No.	L (uH) ±30%	LTest Freq. (MHz)	RDC(Ω) ±30%	I _r (mA)*1 /max	I _r (mA)*2 /max
MGFL2016GR47□	0.47	1	0.08	2600	2500
MGFL2016GR68□	0.68	1	0.11	2500	2500
MGFL2016G1R0□	1.0	1	0.16	2100	1900
MGFL2016G1R5□	1.5	1	0.24	1600	1500
MGFL2016G2R2□	2.2	1	0.35	1500	1500

MGFL 2520G (1008) Series

Part No.	L (uH) ±30%	LTest Freq. (MHz)	RDC(Ω) ±30%	I _r (mA)*1 /max	I _r (mA)*2 /max
MGFL2520GR47□	0.47	1	0.08	3000	2500
MGFL2520G1R0□	1.0	1	0.09	2500	2000
MGFL2520G1R5□	1.5	1	0.105	2200	1900
MGFL2520G2R2□	2.2	1	0.11	1900	1900
MGFL2520G3R3□	3.3	1	0.15	1500	1500
MGFL2520G4R7□	4.7	1	0.18	1300	1300
MGFL252012GR47□	0.47	1	0.06	4000	3000
MGFL252012G1R0□	1.0	1	0.08	3000	3000
MGFL252012G1R5□	1.5	1	0.10	2600	2400
MGFL252012G2R2□	2.2	1	0.11	2200	2000
MGFL252012G3R3□	3.3	1	0.13	1800	1500
MGFL252012G4R7□	4.7	1	0.16	1500	1300

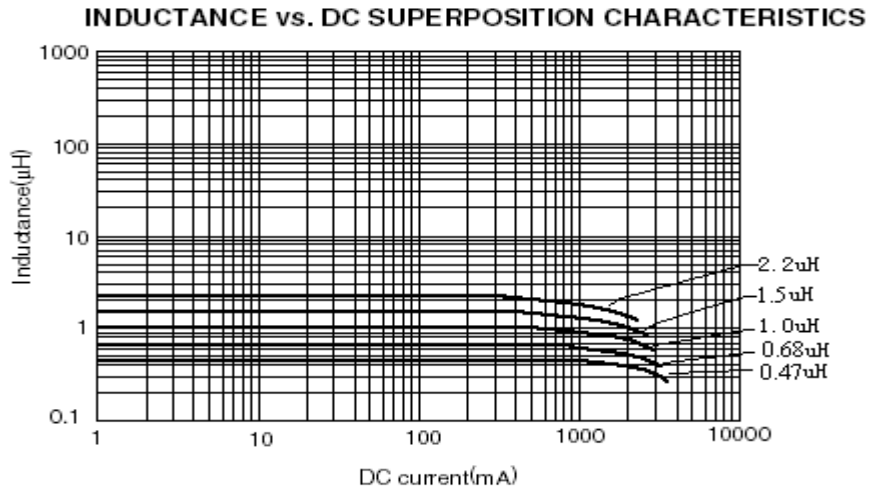
备注：额定电流 Rated Current

1.基于电感变化的标准值：因直流重叠的特性而使电感值比初始值下降 30%的电流值；Rated current based on inductance variation: Current when inductance decreases by 30% of the initial value due to direct current superimposed characteristics.

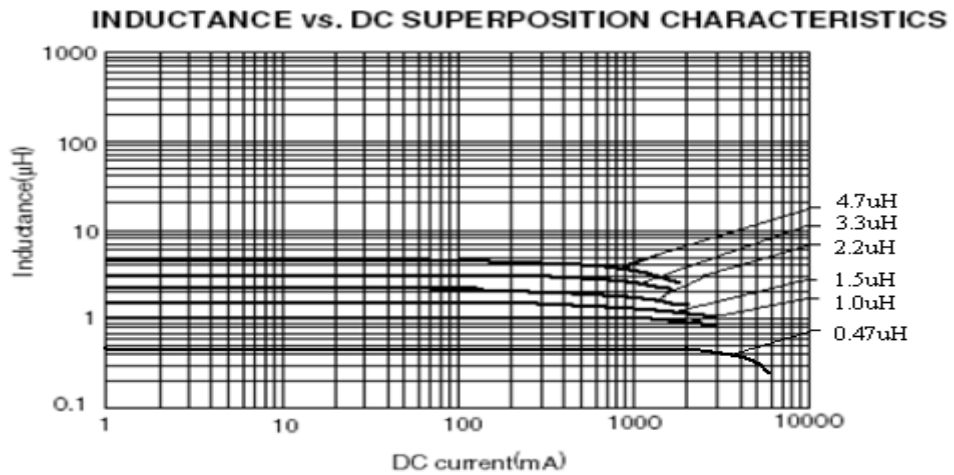
2.基于产品表面温度上升的标准值：产品表面温度达到+40℃时的电流值；Rated current based on increasing product temperature: Current when temperature of the product reaches +40℃

Characteristic curve 特性曲线

MGFL 2016G(0806) Series



MGFL 2520G(1008) Series



MGFL 252012G(1008) Series

