

三一轴向滤波电感0512-

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| 产品名称 | 三一轴向滤波电感0512- |
| 公司名称 | 珠海三一电感器制造有限公司 |
| 价格 | .26/个 |
| 规格参数 | 应用范围:滤波 种类:电感线圈 品牌:三一 |
| 公司地址 | 珠海市南屏科技工业园屏西五路 |
| 联系电话 | 86-7568818568 15363962838 |

产品详情

features (特征)

high saturation current.

高饱和电流

general purpose inductors.

通用电感器

low cost design.

低成本的设计

tinplated leads.

引脚镀锡

varnish coated or ul tube.

线圈体浸胶(清漆), 引脚镀锡。

product identification : 产品识别

Igf 0415 - 100 k

1 2 3 4

1. type 滤波电感

2. core size 磁芯尺寸

3. inductance 电感值

4. tolerance 误差值 (j 5%,k 10%,l 15%,m 20%,n 30%)

shape and size : (dimensions are in mm) 图示和尺寸 : (单位mm)

| p/n 料号 | a(max) | d(max) |
|---------|--------|--------|
| lgf0205 | 6.0 | 3.5 |
| lgf0310 | 11.0 | 5.0 |
| lgf0415 | 16.0 | 5.5 |
| lgf0520 | 21.0 | 7.0 |
| lgf0630 | 31.0 | 9.5 |

test equipment : 测试设备

l: 4284a precision lcr meter

dcr: chen hwa 502bc ohm meter

electrical characteristics for lgf series

lgf系列电气特性参数

| part no. | inductance(μh) | idc(ma)(max) | dcr(Ω)(max) | wire | turn | part no. | inductance(μh) | idc(ma)(max) |
|-----------|----------------|--------------|-------------|------|------|---------------|----------------|--------------|
| 0205-1r0k | 1.0 | 560 | 0.040 | 0.3 | 11.5 | 其它型号电气特 | | |
| 0205-1r2k | 1.2 | 560 | 0.040 | 0.3 | 12.5 | | | |
| 0310-1r8k | 1.8 | 1900 | 0.026 | 0.55 | 11.5 | 0820-5r0n-3a | 5.0 | 3.0 |
| 0310-2r2k | 2.2 | 1570 | 0.028 | 0.50 | 13.5 | 1025-100n-3a | 10 | 3.0 |
| 0310-2r7k | 2.7 | 1570 | 0.030 | 0.50 | 15.5 | 0820-270n-3a | 27 | 3.0 |
| 0310-3r3k | 3.3 | 1270 | 0.035 | 0.45 | 17.5 | 0525-500n-3a | 50 | 3.0 |
| 0310-3r9k | 3.9 | 1000 | 0.050 | 0.40 | 18.5 | 0828-101n-3a | 100 | 3.0 |
| 0310-4r7k | 4.7 | 760 | 0.070 | 0.35 | 19.5 | 0832-151n-3a | 150 | 3.0 |
| | | | | | | 0840-251n-3a | 250 | 3.0 |
| 0415-4r7k | 4.7 | 2260 | 0.024 | 0.60 | 17.5 | 1020-5r0n-5a | 5.0 | 5.0 |
| 0415-5r6k | 5.6 | 1900 | 0.030 | 0.55 | 18.5 | 0828-100n-5a | 10 | 5.0 |
| 0415-6r8k | 6.8 | 1570 | 0.040 | 0.50 | 18.5 | 0820-270n-5a | 27 | 5.0 |
| 0415-8r2k | 8.2 | 1270 | 0.060 | 0.45 | 21.5 | 1025-500n-5a | 50 | 5.0 |
| 0415-100k | 10 | 1000 | 0.080 | 0.40 | 24.5 | 0828-680n-5a | 68 | 5.0 |
| | | | | | | 1032-101n-5a | 100 | 5.0 |
| 0520-100k | 10 | 2.65 | 0.040 | 0.65 | 22.5 | 1040-151n-5a | 150 | 5.0 |
| 0520-120k | 12 | 2.26 | 0.044 | 0.6 | 23.5 | 1025-5r0n-10a | 5 | 10 |
| 0520-150k | 15 | 1.90 | 0.060 | 0.55 | 27.5 | 1032-100n-10a | 10 | 10 |
| 0520-180k | 18 | 1.57 | 0.080 | 0.5 | 29.5 | 0825-270n-10a | 27 | 10 |
| 0520-220k | 22 | 1.27 | 0.100 | 0.45 | 32.5 | 0832-500n-10a | 50 | 10 |
| 0520-270k | 27 | 1.00 | 0.150 | 0.4 | 36.5 | 1032-680n-10a | 68 | 10 |
| | | | | | | 1040-101n-10a | 100 | 10 |
| 0630-4r7k | 4.7 | 16.08 | 0.005 | 1.6 | 12.5 | 1032-5r0n-15a | 5.0 | 15 |
| 0630-5r6k | 5.6 | 16.08 | 0.005 | 1.6 | 14.5 | 1040-100n-15a | 10 | 15 |
| 0630-6r8k | 6.8 | 10.61 | 0.008 | 1.3 | 15.5 | 0828-270n-15a | 27 | 15 |
| 0630-8r2k | 8.2 | 9.04 | 0.009 | 1.2 | 16.5 | 1035-500n-15a | 50 | 15 |
| 0630-100k | 10 | 9.04 | 0.010 | 1.2 | 19.5 | 0840-251n-3a | 250 | 3.0 |
| 0630-120k | 12 | 6.28 | 0.018 | 1.0 | 20.5 | | | |
| 0630-150k | 15 | 5.08 | 0.023 | 0.9 | 23.5 | | | |

| | | | | | | | | |
|---|----|------|-------|------|------|--|--|--|
| 0630-180k | 18 | 4.02 | 0.030 | 0.8 | 24.5 | | | |
| 0630-220k | 22 | 3.07 | 0.045 | 0.7 | 27.5 | | | |
| 0630-270k | 27 | 3.07 | 0.050 | 0.7 | 31.5 | | | |
| 0630-330k | 33 | 2.65 | 0.060 | 0.65 | 35.5 | | | |
| 0630-390k | 39 | 2.26 | 0.080 | 0.6 | 40.5 | | | |
| 0630-470k | 47 | 1.90 | 0.11 | 0.55 | 44.5 | | | |
| 0630-560k | 56 | 1.57 | 0.14 | 0.5 | 46.5 | | | |
| test freq :1khz/0.3v 15%,m 20%,n 30%,y min | | | | | | | | |
| j 5%,k 10%,l | | | | | | | | |

本产品的应用范围是滤波，种类是电感线圈，品牌是三一，型号是LGF-0512-470K-UL，封装形式是插件电感，绕线形式是多层平绕式，导磁体性质是镍芯，磁芯形状是工字形，工作频率是高频，安装方式是立式密封，骨架材料是镍芯，品质因数Q是37，电感量是47uH，允许误差是20%，感抗XL是0.035（ Ω ），额定电流是2500（mA），分布电容是29（F），标称电压是24（V）