



SHIELD POWER INDUCTOR CKPF Series

磁屏蔽电感 CKPF 系列

● FEATURES 特性

1. Ideal as a choke coil for noise filtering

主要用于扼流

2. It is suitable for user in audio processing circuits for low, high and bandpass filtering.

通用于低.高带通滤波

● APPLICATIONS 用途

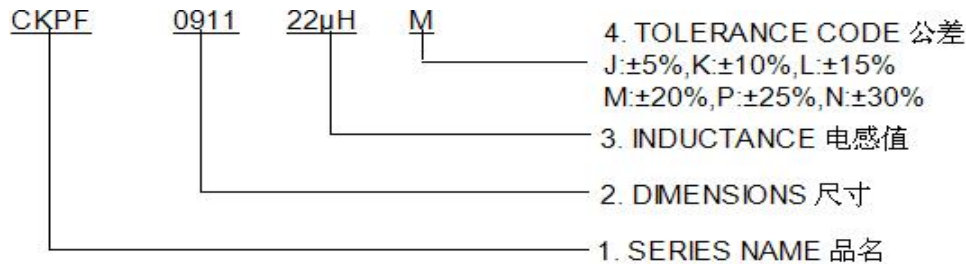
1. Ideal for use as a power choke coil in general household appliances, appliances and industrial equipment.

主要用于家电, 工业电器电路中扼流。

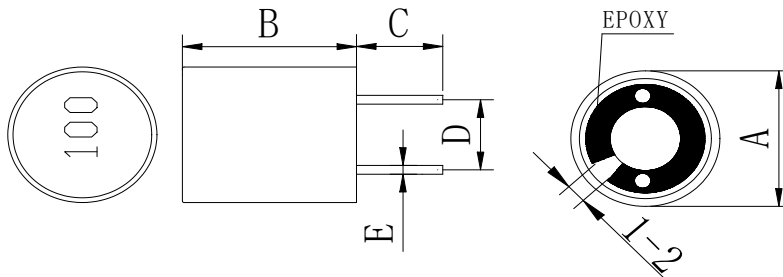
2. Audio , communication equipments , DC/DC converters , etc.

音箱, 通信设备, DC/DC转换器

● PART NUMBERING SYSTEM 品名系统



● SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



| TYPE(型号) | A | B | C | D | E |
|----------|---------|---------|---------|---------|---------|
| CKPF0911 | 10.0Max | 11.5Max | 5.0±1.0 | 3.0±0.5 | 0.6±0.1 |
| CKPF1012 | 11.0Max | 13.0Max | 5.0±1.0 | 5.0±0.5 | 0.6±0.1 |
| CKPF1014 | 12.0Max | 15.0Max | 5.0±1.0 | 5.0±0.5 | 0.6±0.1 |
| CKPF1619 | 16.5Max | 20.5Max | 5.0±1.0 | 7.5±1.0 | 0.8±0.1 |





● SPECIFICATION TABLE 规格特性表

CKPF0911

| PART NUMBER 品名 | INDUCTANCE (μ H) 电感值 | DCR (Max.) (Ω) 直流电阻 | IDC (Max.) (A) 额定电流 | TEST FREQUENCY 测试频率 |
|-------------------|---------------------------------|------------------------------------|---------------------------|------------------------|
| CKPF0911-6.8uH/M | 6.8 \pm 20% | 0.03 | 2.0 | 100kHz,0.25V |
| CKPF0911-8.2uH/M | 8.2 \pm 20% | 0.04 | 1.8 | 100kHz,0.25V |
| CKPF0911-10uH/M | 10 \pm 20% | 0.05 | 1.5 | 1kHz,0.25V |
| CKPF0911-12uH/M | 12 \pm 20% | 0.06 | 1.4 | 1kHz,0.25V |
| CKPF0911-15uH/M | 15 \pm 20% | 0.07 | 1.2 | 1kHz,0.25V |
| CKPF0911-18uH/M | 18 \pm 20% | 0.08 | 1.0 | 1kHz,0.25V |
| CKPF0911-22uH/M | 22 \pm 20% | 0.09 | 0.9 | 1kHz,0.25V |
| CKPF0911-27uH/M | 27 \pm 20% | 0.10 | 0.8 | 1kHz,0.25V |
| CKPF0911-33uH/M | 33 \pm 20% | 0.12 | 0.7 | 1kHz,0.25V |
| CKPF0911-39uH/M | 39 \pm 20% | 0.15 | 0.5 | 1kHz,0.25V |
| CKPF0911-47uH/M | 47 \pm 20% | 0.18 | 0.4 | 1kHz,0.25V |
| CKPF0911-56uH/M | 56 \pm 20% | 0.20 | 0.38 | 1kHz,0.25V |
| CKPF0911-68uH/M | 68 \pm 20% | 0.25 | 0.35 | 1kHz,0.25V |
| CKPF0911-82uH/M | 82 \pm 20% | 0.28 | 0.32 | 1kHz,0.25V |
| CKPF0911-100uH/M | 100 \pm 20% | 0.30 | 0.30 | 1kHz,0.25V |

Remark: 1. All test data is reference to 25 $^{\circ}$ C ambient.

2. IDC: DC current at which the inductance drops approximate 20% from its value without current;

3. Operating Temperature : -25 $^{\circ}$ C ~ +85 $^{\circ}$ C(Including self - temperature rise)



CKPF1012

| PART NUMBER 品名 | INDUCTANCE (μ H) 电感值 | DCR (Max.) (Ω) 直流电阻 | IDC (Max.) (A) 额定电流 | TEST FREQUENCY 测试频率 |
|-------------------|---------------------------------|------------------------------------|---------------------------|------------------------|
| CKPF1012-6.8uH/M | 6.8 \pm 20% | 0.040 | 4.0 | 100kHz,0.25V |
| CKPF1012-8.2uH/M | 8.2 \pm 20% | 0.050 | 3.8 | 100kHz,0.25V |
| CKPF1012-10uH/M | 10 \pm 20% | 0.060 | 3.6 | 1kHz,0.25V |
| CKPF1012-12uH/M | 12 \pm 20% | 0.070 | 3.5 | 1kHz,0.25V |
| CKPF1012-15uH/M | 15 \pm 20% | 0.080 | 3.3 | 1kHz,0.25V |
| CKPF1012-18uH/M | 18 \pm 20% | 0.090 | 3.2 | 1kHz,0.25V |
| CKPF1012-22uH/M | 22 \pm 20% | 0.100 | 3.0 | 1kHz,0.25V |
| CKPF1012-27uH/M | 27 \pm 20% | 0.120 | 2.8 | 1kHz,0.25V |
| CKPF1012-33uH/M | 33 \pm 20% | 0.180 | 2.5 | 1kHz,0.25V |
| CKPF1012-39uH/M | 39 \pm 20% | 0.200 | 2.2 | 1kHz,0.25V |
| CKPF1012-47uH/M | 47 \pm 20% | 0.220 | 2.0 | 1kHz,0.25V |
| CKPF1012-56uH/M | 56 \pm 20% | 0.240 | 1.8 | 1kHz,0.25V |
| CKPF1012-68uH/M | 68 \pm 20% | 0.270 | 1.5 | 1kHz,0.25V |
| CKPF1012-82uH/M | 82 \pm 20% | 0.280 | 1.2 | 1kHz,0.25V |
| CKPF1012-100uH/M | 100 \pm 20% | 0.300 | 1.1 | 1kHz,0.25V |
| CKPF1012-120uH/M | 120 \pm 20% | 0.320 | 1.0 | 1kHz,0.25V |

Remark: 1. All test data is reference to 25 $^{\circ}$ C ambient.

2. IDC: DC current at which the inductance drops approximate 20% from its value without current;

3. Operating Temperature : -25 $^{\circ}$ C ~ +85 $^{\circ}$ C(Including self - temperature rise)



CKPF1014

| PART NUMBER 品名 | INDUCTANCE (μ H) 电感值 | DCR (Max.) (Ω) 直流电阻 | IDC (Max.) (A) 额定电流 | TEST FREQUENCY 测试频率 |
|-------------------|---------------------------------|------------------------------------|---------------------------|------------------------|
| CKPF1014-10uH/M | 10 \pm 20% | 0.040 | 4.50 | 1kHz,0.25V |
| CKPF1014-15uH/M | 15 \pm 20% | 0.050 | 4.30 | 1kHz,0.25V |
| CKPF1014-18uH/M | 18 \pm 20% | 0.070 | 4.00 | 1kHz,0.25V |
| CKPF1014-22uH/M | 22 \pm 20% | 0.080 | 3.50 | 1kHz,0.25V |
| CKPF1014-27uH/M | 27 \pm 20% | 0.090 | 3.30 | 1kHz,0.25V |
| CKPF1014-33uH/M | 33 \pm 20% | 0.100 | 3.00 | 1kHz,0.25V |
| CKPF1014-39uH/M | 39 \pm 20% | 0.120 | 2.50 | 1kHz,0.25V |
| CKPF1014-47uH/M | 47 \pm 20% | 0.150 | 2.30 | 1kHz,0.25V |
| CKPF1014-56uH/M | 56 \pm 20% | 0.180 | 2.00 | 1kHz,0.25V |
| CKPF1014-68uH/M | 68 \pm 20% | 0.25 | 1.80 | 1kHz,0.25V |
| CKPF1014-82uH/M | 82 \pm 20% | 0.32 | 1.60 | 1kHz,0.25V |
| CKPF1014-100uH/M | 100 \pm 20% | 0.36 | 1.50 | 1kHz,0.25V |
| CKPF1014-150uH/M | 150 \pm 20% | 0.52 | 1.40 | 1kHz,0.25V |
| CKPF1014-180uH/M | 180 \pm 20% | 0.60 | 1.30 | 1kHz,0.25V |
| CKPF1014-220uH/M | 220 \pm 20% | 0.75 | 1.20 | 1kHz,0.25V |
| CKPF1014-270uH/M | 270 \pm 20% | 0.90 | 1.10 | 1kHz,0.25V |
| CKPF1014-330uH/M | 330 \pm 20% | 1.00 | 0.95 | 1kHz,0.25V |
| CKPF1014-390uH/M | 390 \pm 20% | 1.30 | 0.90 | 1kHz,0.25V |
| CKPF1014-470uH/M | 470 \pm 20% | 1.50 | 0.80 | 1kHz,0.25V |
| CKPF1014-560uH/M | 560 \pm 20% | 1.60 | 0.70 | 1kHz,0.25V |
| CKPF1014-680uH/M | 680 \pm 20% | 2.00 | 0.65 | 1kHz,0.25V |
| CKPF1014-820uH/M | 820 \pm 20% | 2.50 | 0.60 | 1kHz,0.25V |
| CKPF1014-1mH/M | 1000 \pm 20% | 3.00 | 0.55 | 1kHz,0.25V |
| CKPF1014-1.2mH/M | 1200 \pm 20% | 3.50 | 0.50 | 1kHz,0.25V |
| CKPF1014-1.5mH/M | 1500 \pm 20% | 4.20 | 0.40 | 1kHz,0.25V |
| CKPF1014-1.8mH/M | 1800 \pm 20% | 4.80 | 0.36 | 1kHz,0.25V |
| CKPF1014-2.2mH/M | 2200 \pm 20% | 6.00 | 0.32 | 1kHz,0.25V |

Remark: 1. All test data is reference to 25 $^{\circ}$ C ambient.

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CKPF1619

| PART NUMBER 品名 | INDUCTANCE (μ H) 电感值 | DCR (Max.) (Ω) 直流电阻 | IDC (Max.) (A) 额定电流 | TEST FREQUENCY 测试频率 |
|-------------------|---------------------------------|------------------------------------|---------------------------|------------------------|
| CKPF1619-10uH/M | 10 \pm 20% | 0.030 | 7.00 | 1kHz,0.25V |
| CKPF1619-15uH/M | 15 \pm 20% | 0.035 | 6.50 | 1kHz,0.25V |
| CKPF1619-18uH/M | 18 \pm 20% | 0.040 | 6.00 | 1kHz,0.25V |
| CKPF1619-22uH/M | 22 \pm 20% | 0.050 | 5.50 | 1kHz,0.25V |
| CKPF1619-27uH/M | 27 \pm 20% | 0.055 | 5.00 | 1kHz,0.25V |
| CKPF1619-33uH/M | 33 \pm 20% | 0.055 | 4.50 | 1kHz,0.25V |
| CKPF1619-39uH/M | 39 \pm 20% | 0.060 | 4.50 | 1kHz,0.25V |
| CKPF1619-47uH/M | 47 \pm 20% | 0.070 | 4.00 | 1kHz,0.25V |
| CKPF1619-56uH/M | 56 \pm 20% | 0.085 | 3.50 | 1kHz,0.25V |
| CKPF1619-68uH/M | 68 \pm 20% | 0.10 | 3.00 | 1kHz,0.25V |
| CKPF1619-82uH/M | 82 \pm 20% | 0.12 | 2.80 | 1kHz,0.25V |
| CKPF1619-100uH/M | 100 \pm 20% | 0.14 | 2.50 | 1kHz,0.25V |
| CKPF1619-150uH/M | 150 \pm 20% | 0.16 | 2.30 | 1kHz,0.25V |
| CKPF1619-180uH/M | 180 \pm 20% | 0.22 | 2.00 | 1kHz,0.25V |
| CKPF1619-220uH/M | 220 \pm 20% | 0.28 | 1.80 | 1kHz,0.25V |
| CKPF1619-270uH/M | 270 \pm 20% | 0.35 | 1.60 | 1kHz,0.25V |
| CKPF1619-330uH/M | 330 \pm 20% | 0.45 | 1.50 | 1kHz,0.25V |
| CKPF1619-390uH/M | 390 \pm 20% | 0.55 | 1.40 | 1kHz,0.25V |
| CKPF1619-470uH/M | 470 \pm 20% | 0.60 | 1.20 | 1kHz,0.25V |
| CKPF1619-560uH/M | 560 \pm 20% | 0.70 | 1.00 | 1kHz,0.25V |
| CKPF1619-680uH/M | 680 \pm 20% | 0.80 | 0.90 | 1kHz,0.25V |
| CKPF1619-820uH/M | 820 \pm 20% | 0.90 | 0.80 | 1kHz,0.25V |
| CKPF1619-1000uH/M | 1000 \pm 20% | 1.20 | 0.60 | 1kHz,0.25V |

Remark: 1. All test data is reference to 25 $^{\circ}$ C ambient.

2. IDC: DC current at which the inductance drops approximate 20% from its value without current;

3. Operating Temperature : -25 $^{\circ}$ C ~ +85 $^{\circ}$ C(Including self - temperature rise)