

I-Shaped Inductor

Product introduction

As a kind of commonly used induction element, bobbin inductor is a kind of magnetic element wound on the magnetic frame using enamel insulated wire; as for its characteristics, it is designed with a flat bottom and is easy to mount on the surface with strong weldability and firm welding effect. With excellent weldability and environmental performance, it is applicable to reflow soldering. High quality, high Q value and resistant to large current; non-shielding ferrite magnetic core structure; the application ambient temperature is subject to the reduction of saturation flux density at a high temperature. It has poor thermal stability compared with other inductors. It can reach saturation quickly when the current is increased. Bobbin inductors are the best choice, if extremely high performance is not required and cost needs controlling. They feature low cost, high power, low DC resistance and small size. The product contains no lead and complies with RoHS standard.

Technical characteristics

Applicable to surface mounting

High inductance

Multiple sizes available

Scope of application

LED lighting

Power driving

Digital product

Household appliances



PRODUCT INTRODUCTION

产品介绍

Covering Inductance

Adhesive shielded
inductors

Product introduction

As a kind of commonly used electronic component, glue shielding inductor can realize the shielding effect by covering a layer of rubber shielding material outside the inductance coil. In general, the glue shielding material is a kind of rubber featured by excellent insulation and conductive performance. By preventing the external electromagnetic interference signal from affecting the inductance effectively, it can improve the stability and reliability of inductance. With the magnetic rubber inductance characteristics, it is designed with a structure applied with magnetic glue, which reduces the buzzing sound extremely. The electrode is metallized directly on the ferrite magnetic core, with strong anti-drop and durable performance. The closed magnetic circuit design could minimize leakage flux and bring strong EMI resistance capacity. Under the same size, it has a rated current, which is 30% higher than the traditional power. The product contains no leads and complies with RoHS directive.



Technical characteristics

Reduce buzzing
sound

Anti-drop
performance

Small
occupationIntelligence

Scope of application

Network
communications device

Smart home

Household
appliances

Vehicle-mounted
product

PRODUCT INTRODUCTION

产品介绍

Magnetic Shielding Inductor

Magnetic shielded
inductors

Product introduction

With a magnetic shielding structure, the magnetic shielding inductor is used for lowering the influence of external magnetic field on the inductive current. In general, such inductor is used in the high-frequency and highly sensitive circuits to ensure the stability and precision of circuit. When the external magnetic field is very strong, the magnetic shielding inductor can reduce the influence of external magnetic field on the inductive current. Generally speaking, the magnetic shielding structure of such inductor is composed of ferromagnetic material or aluminum foil to block external magnetic field effectively. Magnetic shielding inductance characteristics, magnetic shielding structure; strong anti-interference capacity; resistance to large current; low DC resistance; applicable to reflow SMT process.

The product contains no leads and complies with RoHS directive.

Technical characteristics

Applicable to
surface mounting

Large
current

Low DCR

Strong anti-
interference capacity

Scope of application

Household
appliances

Gardening
tools

Industry control
equipment

New energy
storage



PRODUCT INTRODUCTION

产品介绍

Integrally Molded Inductors

Molded inductors

Product introduction

The integrally molded inductor is composed of the base and winding body. It is made by putting the winding body inside the metal magnetic powder through pressing and casting. SMD pin, as the output pin of the winding body, is formed on the seat surface directly and is mainly used for ensuring long-term working stability under a large current. Compared with traditional inductor, it has a smaller leakage inductance. Its integrally molded structure can avoid noise; the fully sealed structure brings excellent magnetic shielding effect, which thus can reduce electromagnetic interference; precise size and long-term rust protection. The large current can ensure the smooth reduction of current withstand inductance value; the working frequency is above 1MHz. Low loss and low DC resistance.

The product contains no leads and complies with RoHS directive.



Technical characteristics

Integrally molded structure

Large power and low loss

Low internal resistance and low noise

Low temperature rise and large current

Field of application

Network communications device

Smart home

Household appliances

Vehicle-mounted product

PRODUCT INTRODUCTION

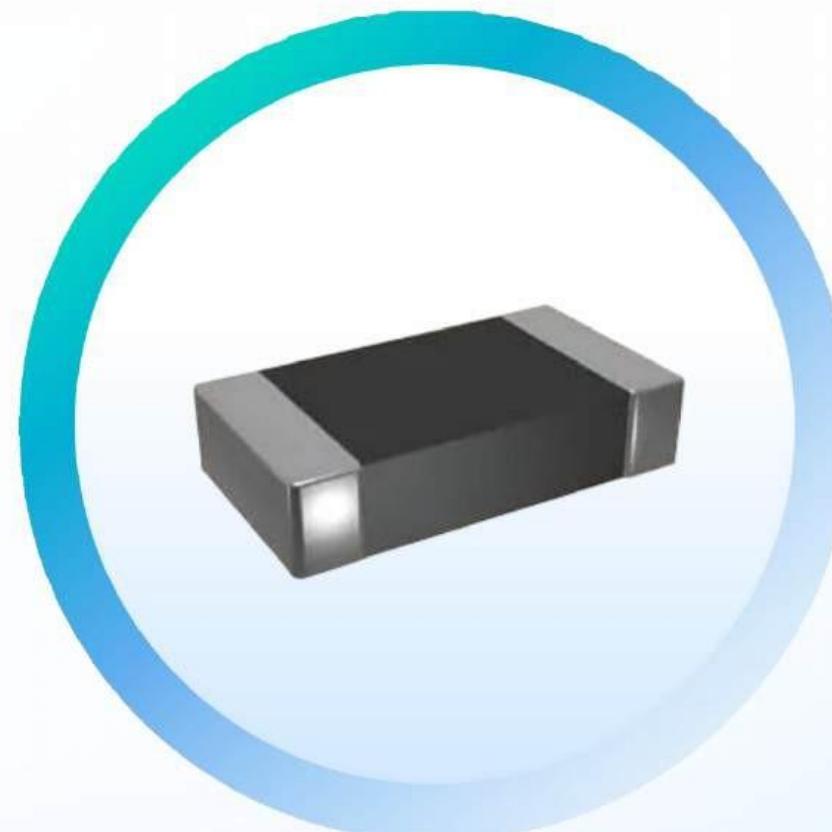
产品介绍

Multilayer Chip Inductor

Multi-layer inductor

Product introduction

The multi-layer chip enamel inductor with multi-layer monolithic structure, is highly reliable. It enjoys high Q value, self-resonant frequency, excellent weldability and soldering resistance. Featured by a small volume and light weight, it has been extensively applied to the radio frequency module of such devices as smart phones and communication device Bluetooth.



Technical characteristics

Monolithic structure

High reliability

High self-resonant frequency (SRF)

Excellent weldability and soldering resistance

Field of application

Smart phone

Communication device Bluetooth

Product Dimensions

0603 \ 1005 \ 1608 \ 2012 \ 3216 \ 3225 \ 4516

PRODUCT INTRODUCTION

产品介绍

Magnetic bead

Magnetic
bead

Product introduction

Generally made from soft magnetic ferrite materials, the magnetic head is of monolithic structure with a high mass resistivity. The eddy-current loss is inversely proportional to the electrical resistivity of ferrite materials; eddy-current loss is in direct proportion to the square number of signal frequency. As a kind of energy conversion device, the magnetic bead is mainly used for eliminating the RF noise in transmission line structure (PCB circuit). It can eliminate the electromagnetic interference in transmission line by constituting a high impedance, close magnetic structure and better eliminate the series winding of signal. With excellent magnetic shielding structure, it can reduce DC resistance. The bead is configured with inorganic material matrix with an extensive range of application and filter range, and high weldability, heat sensitivity and reliability.



Technical characteristics

Monolithic
structure

High reliability

High self-resonant
frequency (SRF)

Excellent weldability and
soldering resistance

Field of application

Power
Supply Unit

Communication
device

Industry control
equipment

Automotive
electronics

Product Dimensions

0603 \ 1005 \ 1608 \ 2012 \ 3216 \ 3225 \ 4516

CUSTOMIZED INDUCTORS

Flat coil
inductors

Common
mode
inductors

Magnetic
loop
inductors

CUSTOMIZED INDUCTORS

定制类电感

Flat coil inductors

Flat coil inductors

Product introduction

The flat coil inductor follows the flat coil wiring mechanism. The tight and even design between turns increases the effective sectional area of wires and make full of the limited assembly space of magnetic bead. The shielding inductance structure can reduce the copper loss of products significantly at the lowest CR under the same volume and increase the temperature rise current of products. It has the advantages of large power, large current, high conversion efficiency, wide application brand frequency, excellent frequency response, low loss, etc.



Technical characteristics

Flat coil
inductor

High conversion
frequency

Wide application
frequency band

Excellent frequency
response

Low loss

CUSTOMIZED INDUCTORS

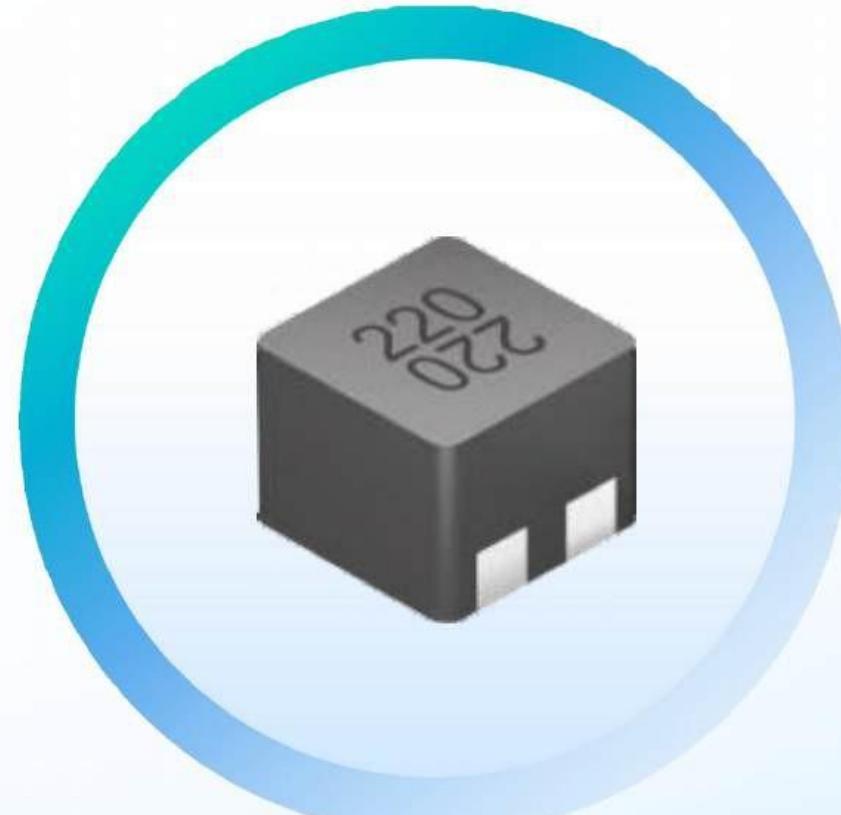
定制类电感

Common mode inductors

Common mode
inductors

Product introduction

Common mold inductor means two coils with the same size and turns wind on the ferrite ring magnetic core symmetrically with inverse coil winding directions, thus forming a 4-pin common mode interference suppression device. With extremely high initial permeability, high saturation flux density, excellent temperature stability, flexible frequency characteristics, excellent temperature stability, small volume, etc. it is applicable to highly automatic production. With stable performance, large power, high frequency and high common code impedance and excellent noise suppression performance, it can be used for the products with large current.



Technical characteristics

Stable
performance

Large power

High frequency and high
common code impedance

Excellent noise
suppression

CUSTOMIZED INDUCTORS

定制类电感

Magnetic loop inductors

Magnetic loop
inductors

Product introduction

The magnetic loop inductor is composed of the internal magnetic core and external cladding. It is mainly used for electromagnetic induction conversion. According to the principle of magnetic loop inductor, the magnetic characteristics of magnetic materials are used to clad the coil into the magnetic material and the change of magnetic flux is used to induce the electromotive force so as to store energy power. It is featured by strong noise signal suppression effect, large contact area, strong magnetic force, low loss and high Q value. The inductance value of magnetic loop inductor is related to the coil turns and permeability of magnetic loop so the inductance can be adjusted by adjusting the material of magnetic ring and coil turns, in order to satisfy the requirements of different circuits.

Technical characteristics

Noise suppression
and signal curbing

Strong
magnetic force

Low loss

High Q value

