

Inductor

电感



Features

Inductor is one kind of electromagnetic element which is wound with pure copper enamelled wire or PVC electronic wire. It is also one of the most commonly used differential mode filter components in the electronic circuits. It uses the low loss of amorphous (with powder) material, Fe-Si, Fe-Si-Al, ferrite and or other iron cores, which has some features, such as high permeability, low loss, good frequency characteristic and so on. And it can also be designed with a special winding way.

特点

电感用绝缘纯铜漆包线或PVC电子线等绕制而成的电磁感应元件，也是电子电路中最常用的差模滤波元器件之一，采用低损耗非晶(带/粉末)、铁硅、铁硅铝、铁氧体等铁芯，具有高磁导率低损耗及优良频率特性等，并可设计特殊的绕线方式。



Application 应用



滤波电感
Filtering inductor



开关电源
Switching Power Supply



充电器
Charger



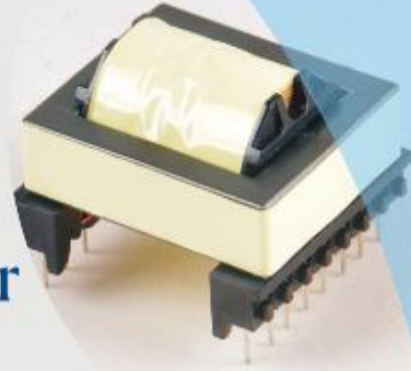
照明灯具
Illumination lamp and other

电感



Electronic Transformer

电子变压器



Application 应用



消费类电子
Consumer electronics



开关电源
Switch Power Supply



充电器
Charger



荧光灯具
Fluorescent lamps and fixtures

绝缘体系: Class B、Class F Insulation Class: Class B、Class F

Features

Electronic transformer is one kind of static electromagnetic component which is used to transform electrical energy from one circuit to another circuit. It is commonly known as switch transformer, and its iron core material is mainly the ferrite.

Its main features include stable performance, small volume, large power, light-weight, low price, traditional material and other advantages, so it is widely used in all kinds of power supply.

特点

电子变压器是用来变换电能，并把它从一个电路传输到另一个电路的静止电磁元件，俗称开关变压器，其使用铁芯材料主要为铁氧体。

主要特点是：电性能稳定、体积小、功率大、重量轻、价格低、材料传统等优点，所以被广泛用在各种电源中。



电子变压器

Common mode of switch power supply

开关电源共模



Features

Common-mode inductor, are often used to filter the electromagnetic interference signals of common mode in the circuit of power input and output. In the board design, Common-mode inductor also acts like an EMI filtering, which is used to prevent the electromagnetic wave produced by high speed signal lines from radiating outward. The use of material is high-permeability ferrite, which is cost-effective and has high AC impedance.



特点

共模电感，常用于电源输入及输出电路中过滤共模的电磁干扰信号。在板卡设计中，共模电感也是起EMI滤波的作用，用于抑制高速信号线产生的电磁波向外辐射发射。其使用材料为高磁导铁氧体，性价比高，交流阻抗大。



Application 应用



电源型电子
Common mode

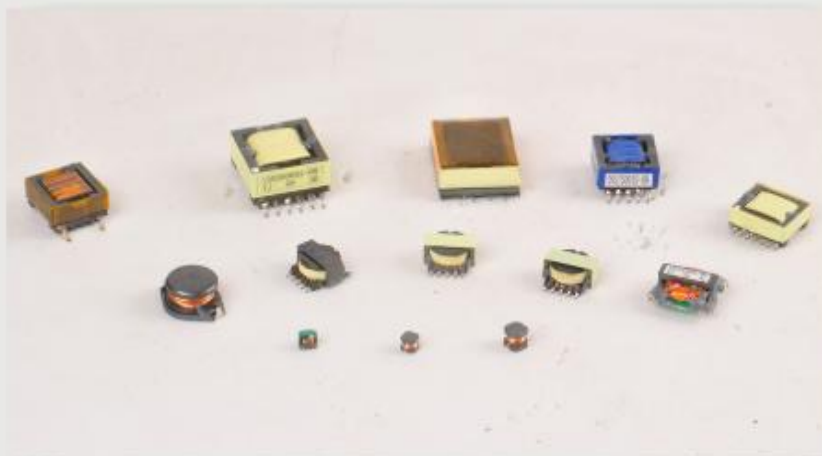
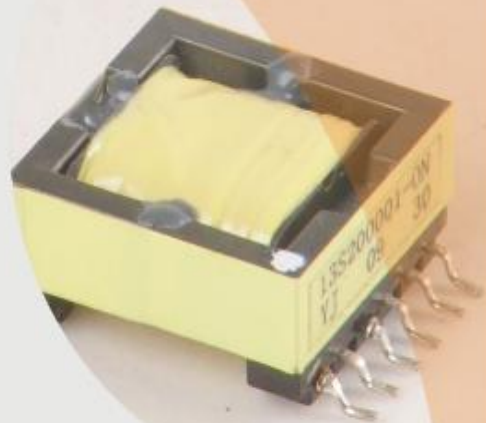


开关电源电源
输入、输出端
应用场合：开关电源、
开关电源、开关电源

高频共模



SMD 贴片



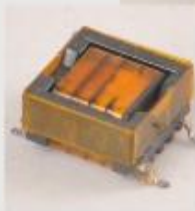
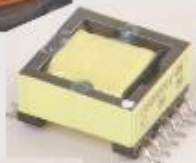
液晶显示屏
Liquid crystal display



超薄电源
Electronics



网网灯具
Illumination lamps and luminaires



Features

SMD inherits the performance index of traditional electronic transformer and inductor, whose design adopts the way of SMD installation. Its client-side uses SMT welding PC board to make the volume smaller, the weight lighter, the use more reliable and the operation more convenient, all of them can reduce the thickness of the circuit and stability better.

特点

贴片继承传统电子变压器及电感的性能指标，设计采用SMD的贴片安装方式，客户端采用SMT技术焊接PC板，使产品体积更小，重量更轻，使用更可靠，操作更方便，可更好的降低电路厚度及提高稳定性。

贴片



Photovoltaic/wind inverter transformer (glue) 光伏/风能逆变电抗器 (灌胶)



Features

With low loss of amorphous (with powder) material, Fe-Si, Fe-Si-Al, ferrite or other iron cores, it has electromagnetic properties, such as high resistance, low eddy current loss, difficult to saturation, low noise, low temperature, good heat dissipation, effective cost and so on. And it can also be designed with a special winding way. Different installation ways can be designed according to customer requirements.

特点

采用低损耗非晶(带/粉末)、铁硅、铁硅铝、铁氧体等铁芯。具有高电阻、低涡流损耗、不易饱和、低噪音、温度低、散热好、性价比高等优越的电磁特性,并可设计特殊的绕线方式。可根据客户的要求设计不同安装方式。



应用于:

风能、光伏逆变器
不间断电源
开关电源
变频器
工业控制设备

Applied to:

Photovoltaic, wind inverter transformer
Uninterruptible Power Supply
Switching power supply
Frequency converter
Industrial control equipment

制作功率:

单相 1.5KW、2KW、3KW、4KW、5KW
三相 6KW、8KW、10KW、12KW、15KW、17KW、
20KW、30KW、50KW至500KW

Power:

Single-phase Transformer: 1.5KW、2KW、3KW、4KW、5KW
Three-phase transformer: 6KW、8KW、10KW、12KW、15KW、
17KW、20KW、30KW、50KW至500KW

绝缘体系: Class B、Class F、Class H

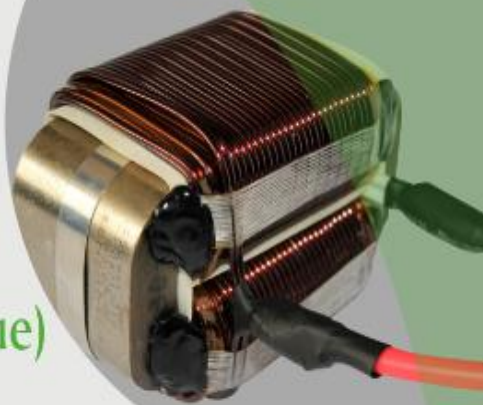
Insulation system: Class B, Class F, Class H



光伏灌胶



Photovoltaic/wind inverter transformer (not glue) 光伏/风能逆变器电抗器（非灌胶）



Features

With low loss of amorphous (with powder) material, Fe-Si, Fe-Si-Al, ferrite or other iron cores, it has electromagnetic properties, such as high resistance, low eddy current loss, difficult to saturation, low noise, low temperature, good heat dissipation, effective cost and so on. And it can also be designed with a special winding way. Different installation ways can be designed according to customer requirements.

特点

采用低损耗非晶(带/粉末)、铁硅、铁硅铝、铁氧体等铁芯，具有高电阻、低涡流损耗、不易饱和、低噪音、温度低、散热好、性价比高等优越的电磁特性，并可设计特殊的绕线方式。可根据客户的要求设计不同安装方式。



应用于：

风能、光伏逆变器
不间断电源
开关电源
变频器
工业控制设备

Applied to：

Photovoltaic, wind inverter transformer
Un-interruptible Power Supply
Switching power supply
Frequency converter
Industrial control equipment

制作功率：

单相 1.5KW, 2KW, 3KW, 4KW, 5KW
三相 6KW, 8KW, 10KW, 12KW, 15KW, 17KW, 20KW, 30KW, 50KW至500KW

Power:

Single phase Transformer: 1.5KW, 2KW, 3KW, 4KW, 5KW
Three-phase transformer: 6KW, 8KW, 10KW, 12KW, 15KW, 17KW, 20KW, 30KW, 50KW至500KW

安装方式：根据客户需求订制 Installation way: it can be custom-made according to customer's requirements.

绝缘体系：Class B, Class F, Class H

Insulation system: Class B, Class F, Class H



光伏不灌胶

Common-mode inductor with heavy current

大电流共模电感

Features

Common-mode inductor, are often used to filter the electromagnetic interference signals of common mode in the circuit of power input and output. In the board design, Common-mode inductor also acts like an EMI filtering, which is used to prevent the electromagnetic wave produced by high speed signal lines from radiating outward. The use of material is the amorphous material, nanocrystalline, high-permeability ferrite, etc., which has some features, such as low temperature, high AC impedance and effective cost. And its design current can be up to several hundred amperes.

特点

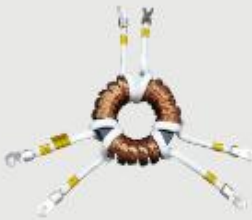
共模电感，常用于电源输入及输出电路中过滤共模的电磁干扰信号。在板卡设计中，共模电感也是起EMI滤波的作用，用于抑制高速信号线产生的电磁波向外辐射发射。其使用材料为非晶、纳米晶、高磁导铁氧体等，具备温度低、交流阻抗大、性价比高等特点，设计电流可达几百安培。

应用于：

风能、光伏逆变器
不间断电源
消费类电子
变频器
工业控制设备

Applied to :

Photovoltaic, wind inverter transformer
Un-interruptible Power Supply
Consumer electronics
Frequency converter
Industrial control equipment



光伏共模电感



Inverter isolation transformer

逆变隔离变压器



Features

With the amorphous and nanocrystalline alloy, it has some features, such as, higher saturation flux density, low loss, small size, effective cost, good mechanical strength and electrical parameters, which can also guarantee the minimum current drift.

特点

采用非晶及纳米晶软磁合金，具有较高的饱和磁感应强度、低损耗、体积小、性价比高、好的机械强度及电气参数等特点，能够保证电流的最小漂移。

绝缘体系: Class B, Class F, Class H
Insulation system: Class B, Class F, Class H

安装方式: 根据客户需求订制
Installation way: it can be custom-made according to customer's requirements.

应用于: Applied to:

风能、光伏逆变器	Photovoltaic, wind inverter transformer
不间断电源	Un-interruptible Power Supply
开关电源	Switching power supply
变频器	Frequency converter
工业控制设备	Industrial control equipment

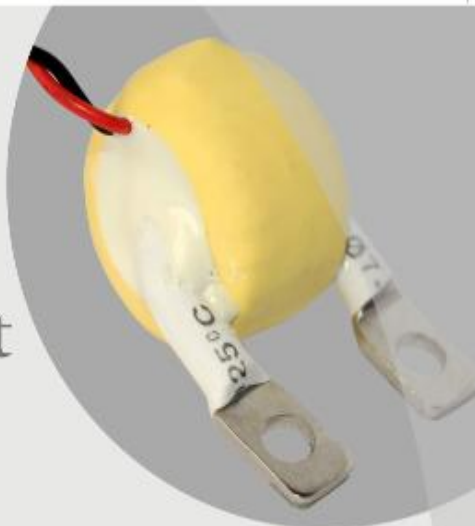


逆变主变



High Precision Current Transformer Series

精密电流互感器系列



A 系列 Series A



特点

1. CT外壳侧有标准孔，便于标准螺栓固定。
2. 线性输出电流，精度等级高。
3. 适用电流范围广。
4. 环氧树脂灌封，绝缘耐压高，防潮防震。

电气参数

1. 外壳材质：阻燃PBT
2. 封装方式：阻燃环氧树脂灌封
3. 工作温度：-25℃~70℃
4. 绝缘电阻：500VDC≥100MΩ
5. 抗电强度：3000VAC 1mA 60S
6. 工作频率：50~60Hz

应用

适用于测量型电表，仪表，过流保护继电器等。

FEATURES

1. Standard hole outside of the CT, easy to be fixed by the standard bolt.
2. High accuracy with linear output current.
3. A wide range of application.
4. Fixed by epoxy resin between primary and secondary, good immunity of humidity and shock.

Electrical parameters

1. Case material: Burn-resistant ABS
2. Potting: Burn-resistant epoxy resin potted
3. Operating temp: -25℃~70℃
4. Insulation resistance: 500VDC≥100MΩ
5. Electrical strength: 3000VAC 1mA 60S
6. Working frequency: 50~60Hz

Application

Whole current measurements for energy metering, panel meters and protection relays.

特点

1. 简易封装，结构紧凑，外形精巧，美观。
2. 适用电流范围广。
3. 初次级间用环氧树脂灌封固定，绝缘耐压高，防潮防震。
4. 线性输出电流，精度等级高。
5. 一次引线端有标准孔，可直接用标准螺栓固定在电表接线端子上，安装既牢固又方便。

电气参数

1. 外壳材质：阻燃PBT UL94-V0
2. 封装方式：阻燃环氧树脂灌封
3. 工作温度：-10℃~60℃
4. 绝缘电阻：500VDC≥100MΩ
5. 抗电强度：3000VAC 1mA 60S
6. 工作频率：50~60Hz

应用

适用于测量型电表，仪表，过流保护继电器等。

FEATURES

1. Easy potting, tidy structure, elegant outlook.
2. A wide range of application.
3. Fixed by epoxy resin between primary and secondary, good immunity of humidity and shock.
4. High accuracy with linear output current.
5. A standard hole at the end of primary wire, can be put in meter with a standard bolt, convenient, and firmly.

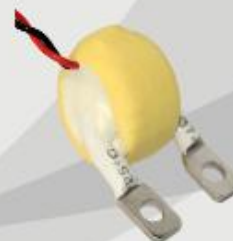
Electrical parameters

1. Case material: Burn-resistant PBT UL94-V0
2. Potting: Burn-resistant epoxy resin potted
3. Operating temp: -10℃~60℃
4. Insulation resistance: 500VDC≥100MΩ
5. Electrical strength: 3000VAC 1mA 60S
6. Working frequency: 50~60Hz

Application

Whole current measurements for energy metering, panel meters and protection relays.

B 系列 Series B



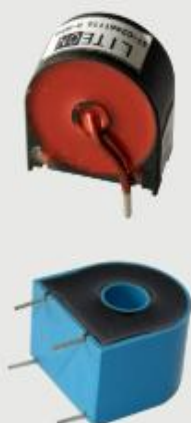
A-B-系列互感器



High Precision Current Transformer Series

精密电流互感器系列

C 系列 Series C



特点

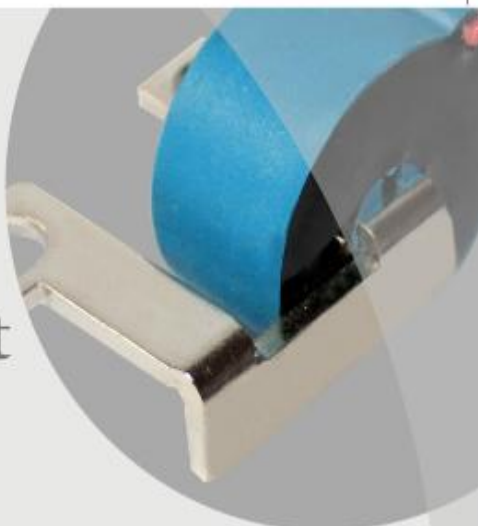
1. 体积小，直接焊印在电路板上。
2. 采用阻燃PBT外壳，阻燃。
3. 环氧树脂灌封，可靠性好。

电气参数

1. 外壳材质：阻燃PBT
2. 封装方式：环氧树脂灌封
3. 工作温度：-25℃~75℃
4. 绝缘电阻：500VDC≥100MΩ
5. 抗电强度：3000VAC 1mA 60S
6. 工作频率：50~60Hz

应用

1. 电子式电能表
2. 功率表
3. 电量变送器
4. 电力检测设备
5. 数显电表



FEATURES

1. Low profile, directly soldered to PCB.
2. ABS burn resistant case, burn resistant epoxy resin, stable performance.

Electrical parameters

1. Case material: flame-retardant ABS.
2. Potting: Burn-resistant epoxy resin potted.
3. Working temp: -25℃~75℃.
4. Insulation resistance: 500VDC≥100MΩ.
5. Electrical strength: 3000VAC 1mA 60S.
6. Working frequency: 50~60Hz.

Application

1. Electronics energy meter.
2. Power meter.
3. Power meter.
4. Electrical monitoring system.
5. Digital display electrical meter.

特点

1. 适用于中小型电流使用的单体电流互感器。
2. 外形精巧美观，灵活多样。
3. 环氧树脂灌封，绝缘强度高，抗冲击。
4. 线性输出电流精度高。
5. 体积小，重量轻，有标准孔，易于安装。

电气参数

1. 外壳材质：阻燃PBT UL94-V0
2. 封装方式：环氧树脂灌封
3. 工作温度：-25℃~70℃
4. 绝缘电阻：500VDC≥100MΩ
5. 抗电强度：3000VAC 1mA 60S
6. 工作频率：50~60Hz

应用

适用于测量型电表、仪器、过流保护继电器等。

FEATURES

1. Easy potting, tidy structure, elegant outlook.
2. Elegant outlook, smart and various.
3. Fixed by epoxy resin between primary and secondary, good immunity of humidity and shock.
4. High accuracy with linear output current.
5. Small size, light weight, standard hole and easy to installation.

Electrical parameters

1. Case material: Burn-resistant PBT UL94-V0
2. Potting: Burn-resistant epoxy resin potted
3. Operating temp: -25℃~70℃
4. Insulation resistance: 500VDC≥100MΩ
5. Electrical strength: 3000VAC 1mA 60S
6. Working frequency: 50~60Hz

Application

Whole current measurements for energy metering, panel meters and protection relays.

D 系列 Series D



C-D-系列互感器