




14 年专业 变压器 电感 分音器 制造专家

14+ years Transformer, Inductor,
Crossover, Manufacturing expert

批量定制 Bulk Customization
快速响应客户 Rapid Customer Response
专业服务 Professional Services



Huizhou Xinchangda Electronic Co.,Ltd


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关于我们

惠州市信昌达电子有限公司成立于2012年，位于惠州市惠阳区，公司是国内专业研发、制造、销售各类变压器，电感器，分音器等磁性元器件以及提供各类磁性元器件解决方案的制造商。产品广泛应用于音响功放设备，电源开关，新能源，医疗设备，通讯，电力等高科技领域，为客户提供定制化解决方案。

经过14年的发展，目前已拥有全自动化生产线10组，半自动化生产线4条，从开始到测试打包一条龙，可月产各类变压器350k/月，电感器件250k/月，分音器100k/月，并可依据客户需求研发生产。专业的团队、自动化的生产设备、先进的检测仪器、优良的品质，确保了我司产品的可靠性和稳定性。

我们深耕中高端市场，以“批量定制+快速响应客户+专业的服务”为差异化优势，对质量要求严苛的行业提供优质电子元器件。信昌达电子一路成长为JBL, Harman kardon, Denon, Telful等知名企业优秀合格供应商，秉承“客户至上，稳定发展”的经营理念，信昌达期待成为您的最佳合作伙伴。

工厂设备

Factory Equipment



About Us

Huizhou Xinchangda Electronics Co., Ltd. was established in 2012, located in Huizhou City, the company is a professional R&D, manufacturing, sales of all kinds of transformers, inductors, crossovers and other magnetic components. The products are widely used in high-tech fields: Audio equipment, Medical equipment, new energy, Communications and Electric power, providing customers with customized solutions.

After 14 years of development, it has 10 sets of fully automated production lines and 4 semi-automated production lines, from the beginning to the test and packaging one-stop, which can produce 350k/month of various transformers, 250k/month of inductive devices, and 100k/month of crossovers, and can be developed and produced according to customer needs. Professional team, automated production equipment, advanced testing instruments, and excellent quality ensure the reliability and stability of our products.

We are deeply involved in the mid-to-high-end market, with "Bulk customization+ quick response+ professional service" as our differentiated advantage, to provide high-quality electronic components for industries with strict quality requirements.

Xinchangda Electronics has grown all the way into an excellent and qualified supplier of JBL, Harman kardon, Denon, Telful and other well-known enterprises, adhering to the business philosophy of "customer first, stable development", Xinchangda looks forward to becoming your best partner.

体系认证 System Certification



合作伙伴 Partnership



Magnetic Components Expert

2012

成立时间
Establish

700,000

月产量
Monthly production

10

全自动生产线
OEM fully automated
production lines

4

半自动生产线
Semi-automated lines



高频变压器

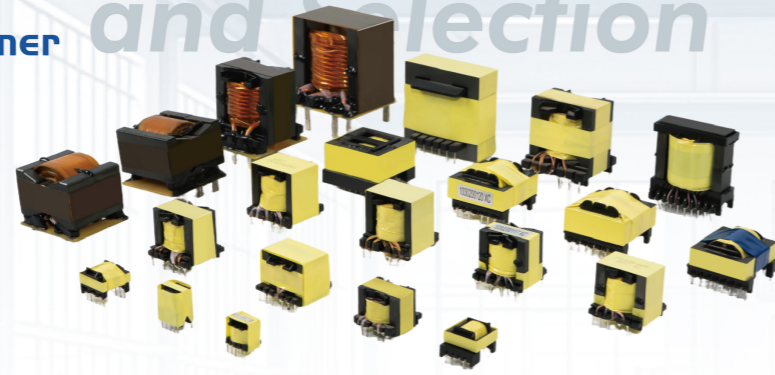
High-Frequency Transformer

常规定制类型

Common Customization Types

1. 反激式变压器 Flyback Transformer
2. 电源变压器 Power Transformer
3. LLC变压器 LLC Transformer
4. 磁环变压器 Magnetic Transformer
5. 耦合变压器 Coupled Transformer

Customization and Selection



常见型号分类

应用领域	磁芯型号	特点
开关电源	EE、EI、EER、ER、PQ	成本低, 功率覆盖广 (5W-1kW)
医疗设备	EP系列	高绝缘等级, 低电磁干扰 (EMI)
通信设备	RM系列	屏蔽性好, 高频特性稳定 (100kHz-1MHz)

Common Model Classification

Application Area	Core Type	Features
Switching Power Supply	EE、EI、EER、ER、PQ	Low cost, wide power range (5W-1kW)
Medical Equipment	EP Series	High insulation rating, low electromagnetic interference (EMI)
Communication Equipment	RM Series	Good shielding, stable high-frequency characteristics (100kHz-1MHz)

产品核心特点

- 高频性能, 紧凑设计
- 稳压输出
- 定制灵活

典型应用场景

电源设备、新能源
音频设备、工业、医疗
通信设备

Product Core Features

- High-frequency performance
- Compact design.
- Stable voltage output
- Flexible customization: Supports OEM (manufacturing according to drawings) and ODM (designing according to requirements).

Typical Application Scenarios

Power equipment, New energy, industrial/medical, communication equipment

Customization Services

- OEM Manufacturing: Supports bulk production according to customer drawings.
- ODM Design: Provides customized solutions based on requirements (e.g., current, frequency, size). Any need specific models or technical parameters required, please provide the application scenario and electrical requirements, and we will match you with the optimal solution.



电感

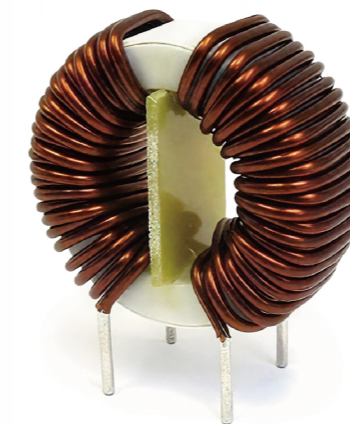
Inductors

Customization and Application Guide

常规定制类型

Common Customization Types

1. 共模电感器 Common-mode Inductor
2. 差模电感器 Differential-mode Inductor
3. 功率电感器 Power Inductor
4. 耦合电感器 Coupling Inductor
5. 滤波电感器 Filter Inductor



核心特性

- 阻碍电流变化
- 电磁兼容性 (EMC)
- 高效电压转换

典型应用领域

电源供应器、
新能源、工业、医疗设备
通信与音频

定制服务

- OEM生产: 支持按客户图纸批量制造。
- ODM设计: 根据需求 (如电流、频率、尺寸) 提供定制方案。如需具体型号选型或技术参数, 可提供应用场景与电气要求, 我们将为您匹配最优解决方案。

Core Characteristics

- Resists changes in current
- Electromagnetic Compatibility (EMC)
- Efficient voltage conversion

Application

Widely apply in Power supplies, renewable energy, industrial/medical equipment, communications, and audio equipment.

Customization Services

- OEM Manufacturing: Supports bulk production according to customer drawings.
- ODM Design: Provides customized solutions based on requirements (e.g., current, frequency, size). Any need specific models or technical parameters required, please provide the application scenario and electrical requirements, and we will match you with the optimal solution.



汽车磁环变压器

Car Amplifier Magnetic Transformer

Customization and Selection



新能源高频变压器与电感

New Energy High-Frequency Transformers and Inductors

Customization and Selection



核心设计原理

- 结合磁环与变压器技术，专为汽车严苛环境（高温、振动、EMI敏感）优化。
- 磁环优势：闭合环形结构，漏磁极少（<1%），能量损耗低，效率可达95%以上。

定制化参数

- 尺寸灵活：直径从10mm至100mm均可定制，适应不同安装空间。
- 绕线设计：铜线层数、线径可调，支持多绕组需求（如双电压输出）。

核心特点

体积小节省车载空间，低电磁干扰（EMI），机械稳定性

应用场景

新能源三电系统，例：（DC-AC），OBC车载充电机（AC-DC），DC-DC转换器（DC-DC），车载电源（多种电子控制单元（ECU）的供电等）

定制服务

- OEM：按客户图纸生产（提供BOM清单与工艺规范）。
- ODM：根据需求设计（如输入电压12V/24V/48V，输出隔离要求）。

选型建议

- 高频应用（>100kHz）：推荐纳米晶磁环，高频损耗更低。
- 大功率场景（>1kW）：选择双层绕线+强制风冷设计。如需具体参数或测试报告，请联系我们。

Core Design Principles

- Combines toroidal core and transformer technology, optimized for harsh automotive environments (high temperatures, vibration, EMI sensitivity).
- Toroidal core advantages: closed ring structure, minimal magnetic leakage (<1%), low energy loss, efficiency up to 95% or higher.

Customizable Parameters

- Flexible dimensions: Diameters from 10mm to 100mm can be customized to fit various installation spaces.
- Winding design: Adjustable copper wire layers and wire diameter, supporting multi-winding requirements (e.g., dual voltage output).

Core Features

Compact size saves vehicle space, low electromagnetic interference (EMI), mechanical stability

Application Scenarios

New energy three-electric systems, e.g., (DC-AC), OBC onboard chargers (AC-DC), DC-DC converters (DC-DC), onboard power supplies (powering various electronic control units (ECUs), etc.)

Customization Services

- OEM: Production according to customer drawings (including BOM lists and process specifications).
- ODM: Design based on requirements (e.g., input voltage 12V/24V/48V, output isolation requirements).

Selection Recommendations

- High-frequency applications (>100kHz): Recommend nanocrystalline magnetic rings for lower high-frequency losses.
 - High-power scenarios (>1kW): Choose dual-layer winding + forced air cooling design.
- For specific parameters or test reports, please contact us.

变压器

- 磁芯材料：铁氧体（低成本）、纳米晶（高频低损耗）、铁硅铝（高温稳定性），满足不同功率需求（5W-2kW）。
- 结构设计：平面变压器（PQ/RM系列）体积缩小40%，功率密度达30W/cm³；分段气隙设计降低磁损。

应用场景

新能源三电系统，例：（DC-AC），OBC车载充电机（AC-DC），DC-DC转换器（DC-DC），车载电源（多种电子控制单元（ECU）的供电等）

电感技术

- 类型：PFC电感（功率因数校正）、共模电感（EMI抑制）、大电流功率电感（车载DC-DC），支持定制化绕线工艺。
- 特点：耐高温（125°C）、处理大电流，抗震（5G加速度）、低损耗（铁硅铝磁环），符合车规级标准。

定制服务

- OEM生产：支持按客户图纸批量制造。
- ODM设计：根据需求（如电流、频率、尺寸）提供定制方案。如需具体型号选型或技术参数，可提供应用场景与电气要求，我们将为您匹配最优解决方案。

Transformers:

- Core Materials: Ferrite (low cost), Nanocrystalline (high-frequency low loss), Iron-Silicon-Aluminum (high-temperature stability), suitable for various power requirements (5W-2kW).
- Structural Design: Planar transformers (PQ/RM series) reduce volume by 40%, achieving a power density of 30W/cm³; segmented air gap design minimizes magnetic loss.

Application Scenarios

Primarily used in new energy vehicle on-board chargers (OBC), photovoltaic inverters, energy storage systems, etc., with operating frequencies ranging from 100kHz to 1MHz and efficiency exceeding 97%.

Inductor Technology

- Types: PFC inductors (power factor correction), common-mode inductors (EMI suppression), high-current power inductors (vehicle DC-DC), with support for customized winding processes.
- Features: High-temperature resistance (125°C), capable of handling high currents, shock-resistant (5G acceleration), low loss (iron-silicon-aluminum magnetic rings), compliant with automotive-grade standards.

Customization Services

- OEM Production: Supports bulk manufacturing based on your drawings.
 - ODM Design: Provides customized solutions based on requirements (e.g., current, frequency, size).
- If you need specific model selection or technical parameters, please provide the application scenario and electrical requirements, and we will match you with the optimal solution.

环形变压器

Toroidal transformer

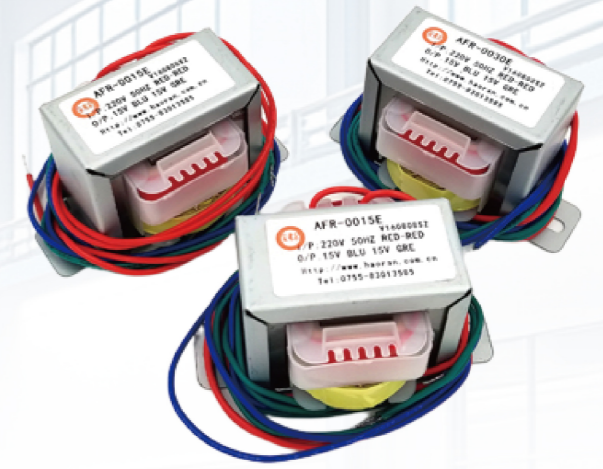
Customization and Selection



EI 变压器

EI Transformer

Customization and Selection



型号规格 Model	产品尺寸 ITEM Dimension(MM)		净重 Net Weigth(KG)
	高度 Height (MM)	深度 Depth(MM)	
TT-50VA	45	90	1.05KG
TT-60VA	45	95	1.2KG
TT-80VA	45	100	1.45KG
TT-100VA	50	100	1.6KG
TT-150VA	55	110	2.25KG
TT-200VA	60	110	2.6KG
TT-250VA	70	110	2.9KG
TT-300VA	70	120	3.4KG
TT-400VA	75	130	4KG
TT-500VA	80	130	4.5KG
TT-600VA	85	135	5.5KG
TT-800VA	95	135	6.5KG
TT-1000VA	100	145	8.2KG
TT-1500VA	100	160	10.4KG
TT-2000VA	100	175	13.3KG
TT-2500VA	110	185	15.5KG
TT-3000VA	110	190	16.8KG

产品特点

效率高, 低磁漏和低电磁干扰, 低振动与低噪音, 良好的散热性能

应用场景

高端音频设备, 医疗设备, 工业控制系统, 高品质线性电源, 照明系统, 逆变器、UPS不间断电源中的驱动变压器

定制服务

- OEM生产: 支持按客户特定规格需求批量制造。
- ODM设计: 根据需求 (如电流、频率、尺寸) 提供定制方案。

Features

High efficiency, low magnetic leakage and electromagnetic interference, low vibration and low noise, excellent heat dissipation performance.

Application Scenarios

High-end audio equipment, medical equipment, industrial control systems, high-quality linear power supplies, lighting systems, inverters, and drive transformers in UPS uninterruptible power supplies.

Inductor Technology

- OEM Production: Supports bulk manufacturing based on your drawings.
- ODM Design: Provides customized solutions based on requirements (e.g., current, frequency, size).

型号规格 Model	铁芯 Iron core	产品尺寸 ITEM Dimension(MM)				
		Length	Width	Depth	Hole	Hole pitch
EI-1VA	28*12	52	27	27	40	3.5*6
EI-2VA	35*13	56	30	32	46	3.5*3
EI-3VA	35*18	59	39	32	48	3.5*5
EI-4VA	41*16	67	34	36	55	4*6
EI-5VA	41*20	68	37	36	56	4*4.5
EI-6.5VA	41*25	66	45	36	53	4*5
EI-8VA	48*20	72	39	43	59	4*5
EI-10VA	48*24	74	45	43	60	4*5
EI-12VA	48*30	77	50	43	63	4*4
EI-15VA	57*24	82	46	51	68	4*6
EI-20VA	57*30	82	52	51	70	4*5
EI-25VA	66*28	101	54	58	84	4*7
EI-30VA	66*32	95	59	58	81	4*7
EI-40VA	76*36	98	62	58	82	4.5*7
EI-50VA	76*38	109	70	67	92	5*7
EI-60VA	76*45	106	75	67	91	5*7
EI-80VA	76*50	105	82	67	90*25(4 hoel)	4.5*6

产品特点

结构简单, 制造工艺成熟, 散热性好, 性价比高

应用场景

广泛应用于传统线性电源、仪器仪表、音响设备、低压照明、控制电路隔离电源等

定制服务

- OEM生产: 支持按客户特定规格需求批量制造。
- ODM设计: 根据需求 (如电流、频率、尺寸) 提供定制方案。

Features

Simple structure, mature manufacturing process, good heat dissipation, and high cost performance.

Application Scenarios

Widely used in traditional linear power supplies, instruments and meters, audio equipment, low-voltage lighting, control circuit isolation power supplies, etc.

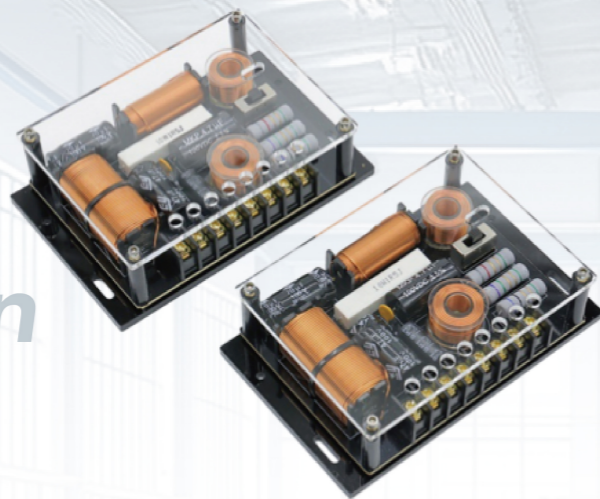
Inductor Technology

- OEM Production: Supports mass production based on your specific requirements.
- ODM Design: Provides customized solutions based on requirements (e.g., current, frequency, size).

分音器

Crossover

Customization and Selection



分音器我司主营被动式分音器,如家用Hifi分音器系统,落地箱分音器,书架箱分音器,壁挂箱分音器,堆叠箱分音器,天花板分音器,汽车音响分音器。

家用Hifi 系统

2路, 3路, 4路均可定制

核心特点

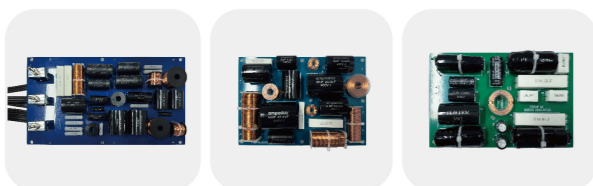
无需供电, 系统简洁, 即插即用, 性价比高

应用场景

家用Hi-Fi, 天花音响和汽车音响系统的首选方案。

定制服务

- OEM生产: 支持按客户图纸批量制造。
- ODM设计: 根据需求 (如音响和喇叭设计) 提供定制方案。



We specialize in passive crossovers, such as home Hi-Fi crossover systems, floor-standing speaker crossovers, bookshelf speaker crossovers, wall-mounted speaker crossovers, stacked speaker line array crossovers, ceiling speaker crossovers, and car audio crossovers.

Home Hi-Fi systems:

2-way, 3-way, and 4-way systems are all available for customization.

Features

No power supply required, simple system design, plug-and-play functionality, high cost-effectiveness

Customization Services

- The preferred solution for home Hi-Fi, ceiling audio, and car audio systems.
- We offer OEM services based on your drawings and ODM services tailored to your audio systems and speakers design.

Selection Recommendations

- OEM Production: Supports mass production based on customer drawings.
- ODM Design: Provides customized solutions based on requirements (such as audio and speaker design).

主要客户 Main Customers

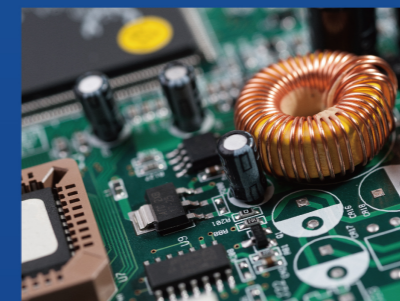


应用领域

Application field



音响设备
Audio Equipment



开关电源
Power Supply



新能源
New Energy



通讯
Communication



工业
Industry



医疗设备
Medical Equipment

出口国家

Exporting country

