

特点

Characteristics

□超薄、自动化生产结构设计

Structural design of ultra-thin and automatic production

□满足芯片磁集成封装要求

Meet the requirements of chip magnetic integration package

□宽频率、高阻抗、低损耗

High application frequency, high impedance

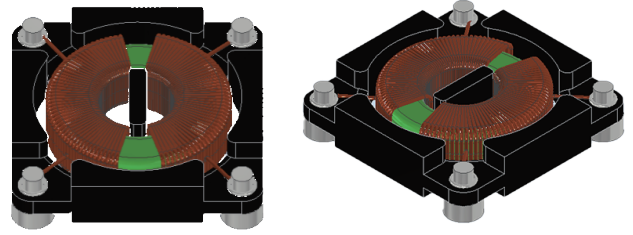
□性能稳定质量可靠

Stable performance and reliable quality

□工作温度:工业级: -40°C~85°C 国军标级: -55°C~125°C

Operating temperature: industrial-grade: -40°C~85°C

National military standard: -55°C~125°C



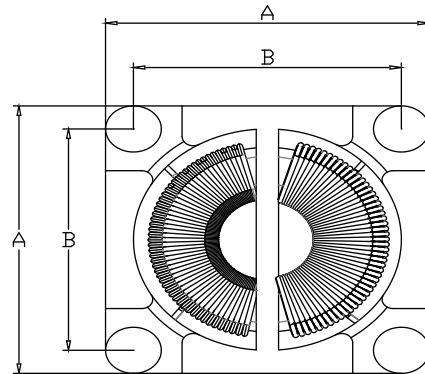
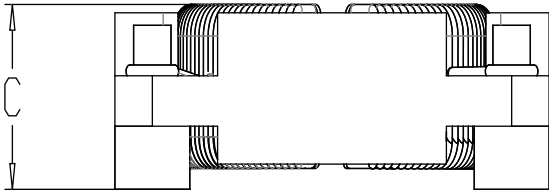
系列产品参数

Series product parameters

序号	产品型号	封装尺寸			工作频率(KHz)	匝比	电参数		介质耐压
		A(mm)	B (mm)	C (mm)			电感量	电压(V)	
1	RDJLD7632	7.64	6.64	3.2	200	33:43	1.175±20% μ H	5	绕组间, 绕组与磁材 DC2KV,5mA 5Sec
2	RDJLD7632-2	7.64	6.64	3.2	200	33:43:43	1.175±20% μ H	5	
3	RDJLD5827	5.8	4.8	2.7	300	33:43	875±20% μ H	5	
4	RDJLD5827-2	5.8	4.8	2.7	500	8:13	51.4±20% μ H	3.3	
5	RDJLD5815	5.8	4.8	1.5	800	17:28	92.9±20% μ H	3.3	
6	RDJLD6827	6.8	5.8	2.7	500	30:38	754±20% μ H	5	
7	RDJLD7822	7.8	6.8	2.2	800	30:38	686±20% μ H	5	
8	RDJLD5823	5.8	4.8	2.3	1000	28:36	573±20% μ H	3.3	
9	RDJLD6319	6.3	5.3	1.9	800	24:34	546±20% μ H	3.3	
10	RDJLD7819	7.8	6.8	1.9	1000	18:26	197±20% μ H	3.3	

封装图

Package drawing



■ 产品特性

Product characteristics

一、驱动变压器的基本概念和应用场景

Basic concepts and application scenarios of the drive transformer

驱动变压器是一种常用于电力电子转换器中的电子元器件，用于隔离、升降压和普通变压器相同的功能，同时还具有能够承受高频脉冲的特点。驱动变压器主要应用于开关电源、DC/AC逆变器、磁化逆变器、电池充电器等电源设备中。

Drive transformer is a kind of electronic components commonly used in power electronic converter, which is used for isolation, lifting and lowering of the same function as ordinary transformer, but also can withstand high frequency pulse characteristics. Drive transformer is mainly used in switching power supply, DC / AC inverter, magnetized inverter, battery charger and other power supply equipment.

二、驱动变压器的作用

The role of the drive transformer

驱动变压器是一种特殊的变压器，它的主要作用是将较大的电流转化成较小的电流，在通信、自动化、电力控制系统等领域中得到广泛应用。驱动变压器可以将输入信号转换成输出信号，它对信号进行隔离，并可以通过信号负载的变化来实现一些特殊控制。

Drive transformer is a special transformer, its main function is to convert a large current into a small current, which is widely used in communication, automation, power control system and other fields. The drive transformer can convert the input signal into the output signal, which isolates the signal and can realize some special control through the change of signal load.

三、驱动变压器的应用场景

Application scenarios of the drive transformer

1. 电力系统

Electric Power system

驱动变压器是电力系统中的重要部件之一，它常被用于输电线路和变电站的保护与控制。例如，在超高压输电线路路上，保护系统需要对线路上的故障进行监测，在这个过程中需要使用驱动变压器来进行信号的传递和转换，从而实现对故障的检测和定位。

Drive transformer is one of the important components in the power system, which is often used in the protection and control of transmission lines and substations. For example, on the ultra-high voltage transmission line, the protection system needs to monitor the faults on the line, and in this process, the drive transformer is used to conduct signal transmission and conversion, so as to realize the detection and positioning of the faults.

2. 工业自动化领域

Industrial automation field

在工业自动化控制系统中，驱动变压器同样扮演着重要的角色。例如，在PLC控制系统中，驱动变压器一般被用来将输入信号转换成PLC能够读取的信号，同时还可以将PLC的输出信号进行放大，以实现对一些重要设备的精确控制。

In the industrial automation control system, the drive transformer also plays an important role. For example, in a PLC control system, the drive transformer is generally used to convert the input signal into a signal that the PLC can read, while the PLC output signal can also be amplified to achieve precise control of some important equipment.

3. 通信系统

Communication system

在通信系统中，驱动变压器可以用来隔离输入和输出信号，防止噪声和干扰影响通信质量。它可以把低电平信号转化成高电平信号，从而提高信号质量和传输效率。

In a communication system, drive transformers can be used to isolate input and output signals to prevent noise and interference from affecting the communication quality. It can convert the low level signal into the high level signal, thus improving the signal quality and transmission efficiency.

综上所述，驱动变压器在现代工业中得到广泛应用，它的功能和应用场景非常多样化，在电力、工业自动化和通信系统等领域都具有非常重要的作用。

To sum up, the drive transformer has been widely used in modern industry, and its functions and application scenarios are very diversified, and it plays a very important role in the fields of electric power, industrial automation and communication systems.