

# **CATALOGUE**

## **2022 - 2023**

**MAGNETIC COMPONENTS  
SUPPLIER**

**BLU TECH CO. LTD.**  
**A VEM SOLUTIONS S.P.A. COMPANY**





## OUR GROUP

BLU TECH Co. Ltd. was founded in 2006 owned by VEM Solutions S.P.A. (Italy). It is a company specialized in the production and sales of high/low-frequency transformers, inductors and toroidal.

Our products have a wide application field, the main products are high/low-frequency transformers, inductors, toroidal and etc. They are mainly applied to charging stations (piles), switching power supply, communications equipment, household appliances, LED drive circuits, car inverter power supply, electric cars, automotive electronics, solar energy and other fields.

With abundant production experience, advanced technology and production facilities, complete testing and inspection method, BLU TECH can meet customers' various demands. We can manufacture customised products to customer design.





## MANUFACTURING

We exported our products to Europe, the United States and so on. We continue to expand domestic and foreign markets to seek the sustainable development of the enterprise.

- Annual production: approx. 6,000,000 pcs

Blu Tech's current production covers a wide range of sectors in the electronic world. In particular, high/low-frequency transformers, inductors, toroidal and EMI choke coils that find application in various fields, including:

- switching power supplies
- switching power supplies for the home automation sector
- communication equipment
- household appliances
- LED drive circuits
- inverter power supplies for cars
- electric cars
- automotive electronics
- solar power



LCR DIGITAL ELECTRIC BRIDGE  
used for testing inductance



LCR DIGITAL ELECTRIC BRIDGE  
used for testing double common mode  
inductance and deviation



TOROIDE WINDING TURNS TESTER  
used for testing winding turns of toroide



# CERTIFICATIONS

BLU TECH is ISO 9001:2015 certified and exports its products to China, Europe and the USA.

## Certificate

**Standard** ISO 9001:2015  
**Certificate Registr. No.** 01 100 085601

**Certificate Holder:** BLU Tech Co., Ltd.  
 Unified Social Credit Code: 91320281787669815W  
 Registration Address: No. 1, Xicun Road, Xiaohu Industrial Park, Huangtu Town, Jiangyin City, 214445 Jiangsu, P. R. China  
 Operation Address: Complex Building, No. 1, Xicun Road, Xiaohu Industrial Park, Huangtu Town, Jiangyin City, 214445 Jiangsu, P. R. China

**Scope:** Manufacturing of Inductors (Φ5-Φ100) and Transformers (EI 10-EI 120)

Proof has been furnished by means of an audit that the requirements of ISO 9001:2015 are met.

**Validity:** The certificate is valid from 2020-10-21 until 2023-10-20. It remains valid subject to satisfactory surveillance audits. First certification 2008. This certificate information can be searched on CNCA official website <http://www.cnca.gov.cn>

2020-09-22

*E. Huey*  
 TÜV Rheinland Cert GmbH  
 Am Grauen Stein · 51105 Köln

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## 认证证书

**标准** ISO 9001:2015  
**证书登记号码** 01 100 085601

**证书持有者:** 江阴铂声技术有限公司  
 统一社会信用代码: 91320281787669815W  
 注册地址: 中国江苏省江阴市璜土镇小湖工业园西村路1号  
 邮编: 214445  
 经营地址: 中国江苏省江阴市璜土镇小湖工业园西村路1号综合楼  
 邮编: 214445

**认证范围:** Φ5-Φ100 的电感和 EI 10-EI 120 变压器的生产

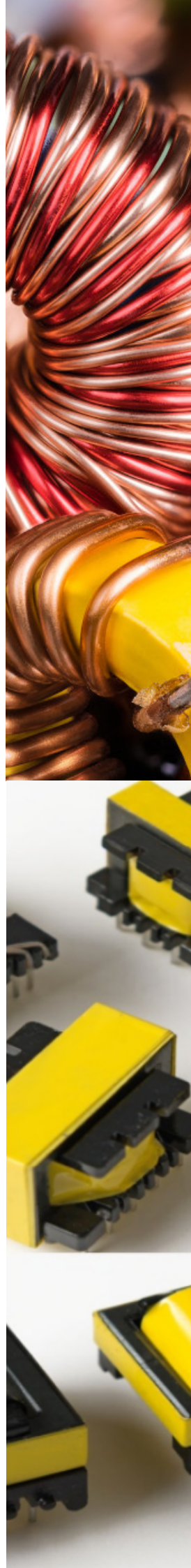
证明完成了审核并满足了 ISO 9001:2015 标准的要求。

**有效期:** 证书有效期从 2020-10-21 至 2023-10-20。此证书须经过符合要求的监督审核保持有效。初次发证始于 2008 年。本证书信息可在国家认证认可监督管理委员会官方网站上查询 <http://www.cnca.gov.cn>

2020-09-22

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# SWITCH POWER TRANSFORMER

## Characteristics

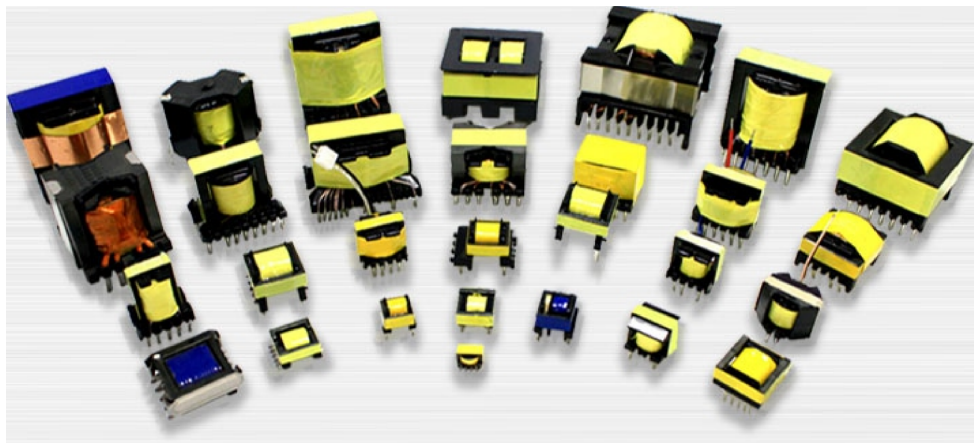
1. Small size, lightweight, rich varieties.
2. Low loss, high efficiency, wide voltage range.

## Service environment

1. Ambient temperature:  $-25^{\circ}\text{C} \sim +70^{\circ}\text{C}$
2. Relative humidity: the humidity is less than 90% at  $40^{\circ}\text{C}$
3. Atmospheric pressure: 860~1060 mbar

**Working frequency range: 10K/10MHz**

**Insulation class: class B ( $130^{\circ}\text{C}$ )**



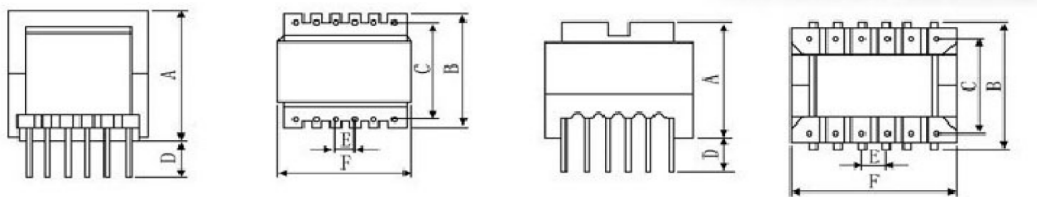
Type EE, EI, EF, EEL is used to made medium and small power transformer and inductor with low cost and simple process.

### Characteristics

Low core loss, high permeability, high magnetic saturation density, high conversion efficiency and high reliability.

### Application

Widely used in all kinds of switching power supply and chargers.



Model	PIN	Dimension (mm)					
		A	B	C +/- 0.5	D +/- 0.5	E +/- 0.5	F
EE - 8.3	6	8	8	6	4	2.5	8.3
EE - 10	8	11.5	10.2	8	4	2.5	10.2
EE - 13	10	12	12.5	8.5	4	2.5	13
EE - 16 - 1	6	14.8	13.3	9	4	3	16
EE - 16 - 2E	10	15.4	13	10.5	4	3.2	17.1
EEL - 16	10	28.5	16	12.3	4	4.3	21.9
EE - 19 - 1	8	17.6	16	10	4	5	19
EEL - 19	10	31.5	16	10.5	4	4	21.1
EE - 25	6	20	18.2	12.5	4	6.3	25.2
EEL - 25	8	35.3	17.5	12.5	4	5	25.2
EE - 30	10	21	29.2	25.2	4	5	30
EE - 40	14	27.6	30.5	25.8	4	5	40
EE - 42/15	12	33.8	44	35.5	4	5	42
EE - 42/20	12	45	39.8	32.5	4	5	42
EE - 50	20	50	50	45.5	4	5	55
EE - 65	16	55.2	51.8	40	4	5	65
EE - 70	18	59.5	56.8	50	4	5	70



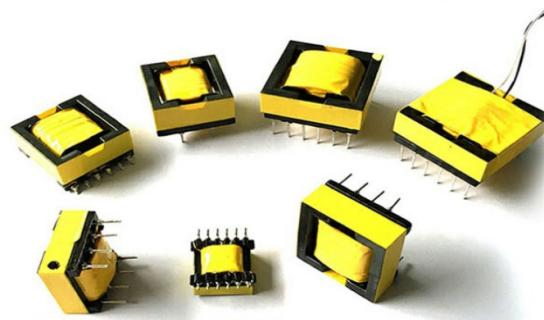
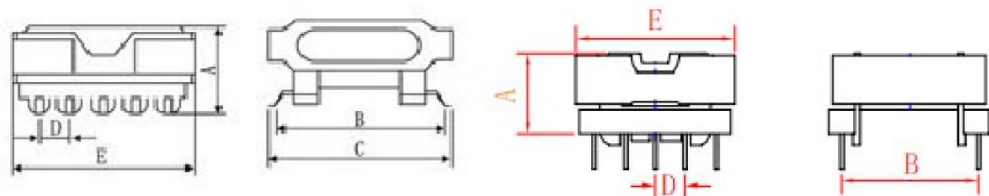
Type EFD, EPC is used to make medium and small power transformer with height limits.

### Characteristics

- Flat ferrite cores are used to cover the requests of high power, ultra-thin size and temperature rising.
- Low core loss, high permeability, magnetic saturation density.

### Application

Widely used in ultra-thin switching power, electronic circuit, chargers, etc.



Model	PIN	Dimension (mm)				
		A	B	C	D	E
EFD - 12	8	6	17	20	3.0	13.5
EFD - 15	10	7.3	18.2	21.35	2.5	15
EFD - 15	10	7.5	19.3	22.6	3.0	16.7
EFD - 20	10	9.4	25.3	27.7	3.75	21.7
EFD - 20	12	9.7	24	26.8	3	20
EFD - 25	10	13.4	29.7	35.4	5	25
EFD - 25	10	12.6	29.7	31.5	5	25
EFD - 30	12	12.6	31.6	35.5	5	30
EPC - 13	4 + 4	6	17	20	3.0	13.5
EPC - 15	5 + 5	7.3	18.1	21.35	2.5	15
EPC - 19	5 + 5	7.5	19.3	22.6	3.0	16.7
EPC - 19	5 + 6	9.4	25.3	27.7	3.75	21.7
EPC - 20	6 + 6	9.7	24	26.8	3	20
EPC - 25	5 + 5	13.4	29.7	35.4	5	25
EPC - 30	5 + 5	12.6	29.7	31.5	5	25
EPC - 35	6 + 6	12.6	31.6	35.3	5	30



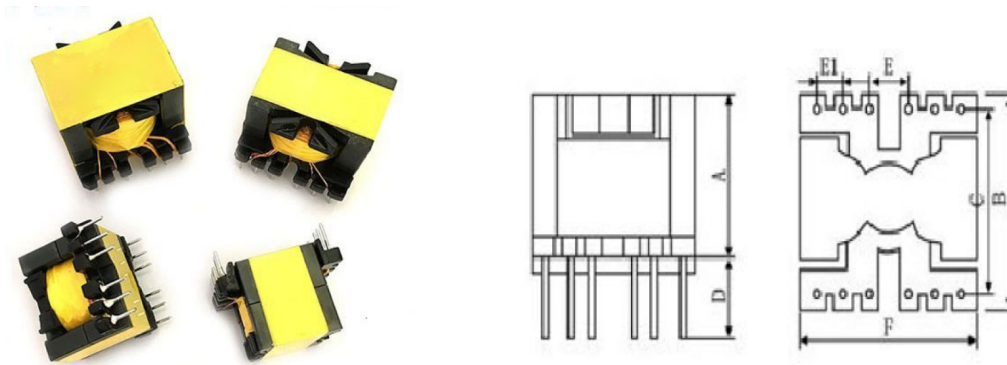
Type PQ, EQ and LP with big cylinder and small inductance leakage. It is used to make high power transformer with small volume and less output windings.

### Characteristics

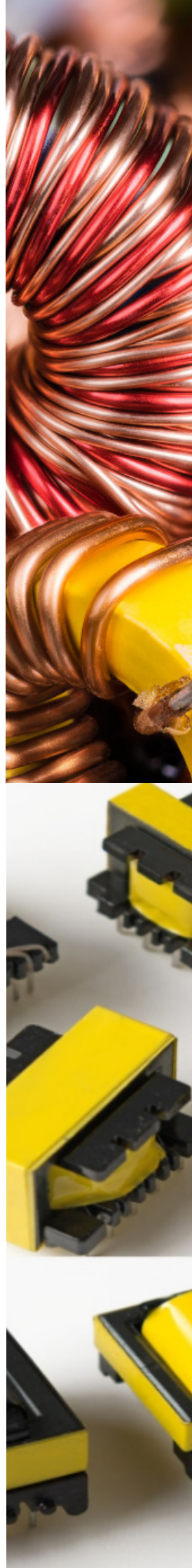
- Ferrite cores are used to cover the requests of core less and copper less on power supply transformer.
- It has big surface area, good temperature rising and magnetic shielding characteristics. The round cylinder is easy to winding and has big wire package.

### Application

Widely used in switching power supply, high-power chargers and etc.



Model	PIN	Dimension (mm)						
		A	B	C +/- 0.5	D +/- 0.5	E	E1	F
PQ 2016	14	18.5	23.2	20.6	4	5	3.8	23.1
PQ 2020	14	22.3	23	20.3	4	5	3.8	23
PQ 2620	12	20	29.3	25.4	4	7.7	3.8	26.6
PQ 2625	12	28.5	29.6	25.5	4	7.6	3.8	27
PQ 3220	12	23.5	34.4	30.7	4	7.6	5.1	32.4
PQ 3230	12	33.5	34.2	30.7	4	7.5	5.1	32.3
PQ 3535	12	37.5	39.1	35.6	5	10.2	5.1	35
PQ 4040	12	41.5	42	38	5	15	5	40
PQ 5050	12	48.5	49.4	45.4	5	12.5	7.5	50





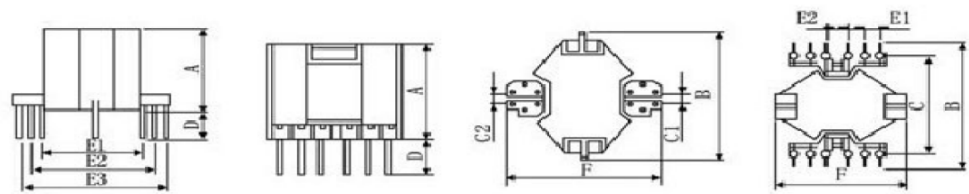
Type RM and POT is used to make medium and small power transformer with good magnetic shielding and EMC characteristics.

### Characteristics

- Wire package is wrapped by core, this high-frequency transformer has small inductance leakage, low radiation and good EMI.
- The product has low loss, high efficiency, wide working frequency, high immunity property and good temperature control.

### Application

Widely used in switching power supply, TV, display, fac-simile, charger, etc.



Model	PIN	Dimension (mm)								
		A	B	C1	C2	D +/- 0.5	E1	E2	E3	F
RM - 4	6	7.8	13.5	1.8	3.6	4.2	7.2	10.8		12.6
RM - 5	6	7.2	15.5	1.8	3.6	4.4	10.8	14.4		16
RM - 6	6	13.5	18.5	1.8	3.6	4.7	14.4	18		20.7
RM - 8	12	12.1	23.5	3.6	7.2	5	14.4	18	21.6	24
RM - 10	12	13.4	28.5	3.6	7.2	4	18	21.6		28.1
RM - 12	12	17.7	38.5	3.6	10.8	6.3	21.5	28.7	35.9	38.5
RM - 14	12	29	48.4	35.6		4.8	5.08	7.62		31.4

# COMMON MODE FILTER

## Performance

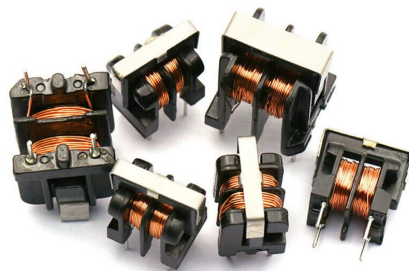
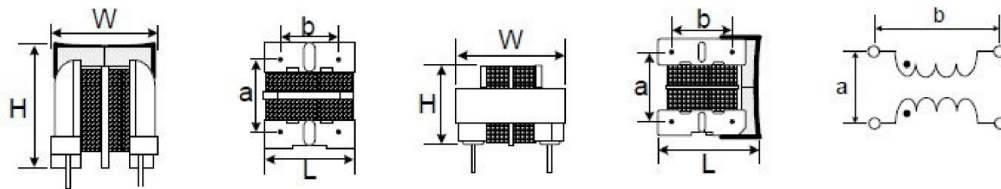
1. Working frequency: 20kHz - 500kHz
2. Working temperature: -40°C to +125°C
3. Storage temperature: -25°C to +85°C
4. Storage humidity: 30 to 95%

## Characteristics

Common mode filter has the advantage of small size, easy winding, cheap price and high reliability.

## Application

Used in common mode filter inductor, drive transformer, current transformer and etc.



Model	Rated current (A)	Inductance (mH)	DCR (Ω) Max.	Dimension (mm)			Pitch (mm)		Tape
				W	L	H	a	b	
UU 9.8	0.1 - 1.5	0.1 - 30	0.10 - 3.00	16.5	12.0	17.0	8.0	7.0	vertical
UU 9.8	0.1 - 1.5	0.1 - 30	0.10 - 3.00	16.5	16.0	13.5	8.0	7.0	horizontal
UU 10.5	0.5 - 2.0	0.3 - 40	0.10 - 2.50	19.00	17.0	22.0	13.0	10.0	vertical
UU 10.5	0.5 - 2.0	0.3 - 40	0.10 - 2.50	19.00	19.00	17.0	13.0	10.0	horizontal
UU 16	0.5 - 3.0	1.0 - 50	0.10 - 2.20	22.5	19.0	28.0	13.0	10.0	vertical
UU 16	0.5 - 3.0	1.0 - 50	0.10 - 2.20	22.5	25.0	21.0	13.0	10.0	horizontal

# ET COMMON MODE INDUCTOR

## Performance

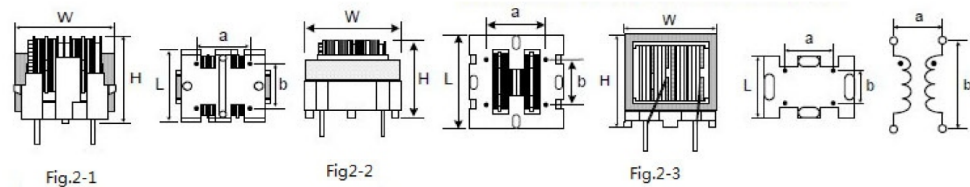
1. Working frequency: 20kHz - 500kHz
2. Working temperature: -40°C to +125°C
3. Storage temperature: -25°C to +85°C
4. Storage humidity: 30 to 95%

## Characteristics

UU common-mode filter has the advantage of moderate size, easy winding, cheap price and high reliability.

## Application

Used in common mode filter inductor, drive transformer, current transformer and etc.



Model	Rated current (A)	Inductance (mH) Min.	DCR (Ω) Max.	Dimension (mm)			Pitch (mm)		Fig.
				W	L	H	a	b	
UT 20	0.2 - 1.5	1 - 30	0.15 - 3.5	22.0	17.0	23.0	13.0	10.0	2 - 1
ET 20	0.2 - 1.5	1 - 30	0.15 - 3.5	22.0	22.0	18.5	13.0	10.0	2 - 2
ET 24	0.2 - 1.9	1 - 50	0.1 - 1.60	26.0	18.5	30.5	13.0	10.0	2 - 2
ET 24	0.2 - 1.9	1 - 50	0.1 - 1.60	26.0	18.5	30.5	13.0	10.0	2 - 3
ET 28	0.2 - 2.5	1 - 60	0.1 - 1.30	30.5	22.0	35.5	13.0	10.0	2 - 2
ET 28	0.2 - 2.5	1 - 60	0.1 - 1.30	30.0	30.0	24.5	24.0	20.0	2 - 3
ET 35	0.2 - 3.0	1 - 60	0.1 - 1.00	37.0	26.0	45.0	30.0	25.0	2 - 2
ET 35	0.2 - 3.0	1 - 60	0.1 - 1.00	30.0	30.0	24.5	21.0	15.0	2 - 3

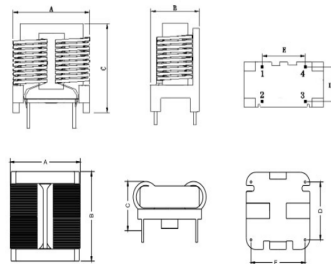


# SQ FLAT WIRE COMMON INDUCTOR

Widely used in all kinds of power adapter, switching power supply, TV, rec fier, industrial power supply, computer power supply, communication equipment, medical equipment, LED drive circuit, inverter, electric car, solar, car electronic equipment, industrial equipment, household appliances, digital products and etc.

## Characteristic

- 1.Small size, large current, the unit current density is more than 1.3 times of copper wire
- 2.Low DC resistance, minimal distributed capacitance, good heat dissipation
- 3.Closed magnetic circuit, small magnetic leakage, EMI effect is ideal, good conductive radiation effect, consistency stability
- 4.Using an automatic winding machine, tidy winding, no cross, high production efficiency. Customer plug-in operation is simple and convenient. Time-saving, good quality, high efficiency.
- 5.High insulation strength, prolong the life of the power supply.



Model	Rated current (A)	Inductance (mH) Min.	DCR (Ω) Max.	Dimension (mm)			Pitch (mm)		Tape
				A	B	C	D	E	
SQ 1010	1.2 - 1.5	10 - 12	120	14	8.5	13.5	5.0	8.0	vertical
SQ 1010	1.2 - 1.5	10 - 12	120	13.5	11.0	9.0	7.0	8.0	horizontal
SQ 1212	1.5 - 3.0	5.0 - 30	70 - 200	17.5	11.0	16.5	8.0	11.0	vertical
SQ 1212	1.5 - 3.0	5.0 - 30	70 - 200	17.0	13.5	11.0	10.0	13.0	horizontal
SQ 1515	1.50 - 9.0	2.0 - 40	60 - 300	21.0	15.0	19.0	10.0	13.0	vertical
SQ 1515	1.50 - 9.0	2.0 - 40	60 - 300	21.0	16.5	13.0	13.0	17.0	horizontal
SQ 1918	2.5 - 9.0	4.0 - 20	25 - 190	23.0	13.5	25.0	10.0	13.0	vertical
SQ 1918	2.5 - 9.0	4.0 - 20	25 - 190	23.5	23.5	14.0	10.0	13.0	horizontal
SQ 2418	4.0 - 15.0	4.0 - 20	15 - 120	23.0	15.0	32.0	10.0	13.0	vertical
SQ 2418	4.0 - 15.0	4.0 - 20	15 - 120	23.0	26.0	15.0	21.0	17.0	horizontal
SQ 2820	10.0 - 15.0	2.0 - 5.0	15 - 25	25.0	14.0	35.0	10.0	13.0	vertical
SQ 2820	10.0 - 15.0	2.0 - 5.0	15 - 25	25.5	30.5	16.0	24.5	20.0	horizontal



## DM TOROIDAL INDUCTOR

### Performance

1. Working frequency: 30KHz - 300KHz
2. Working current: 0.1A to 200A
3. Working temperature: -40°C to +200°C
4. Storage temperature: -25°C to +85°C
5. Storage humidity: 30 to 95%

### Characteristic

- DM inductor is single winding toroidal.
- It has the advantage of easy making, simple installation, low price and high reliability.

### Application

Since DM inductor is applied in the case of high current, in order to prevent core saturation, iron powder core and sendust core is generally used for the procession. Due to the low  $\mu$  value, the inductive value is low, and the typical value is between tens of  $\mu\text{H}$  to hundreds of  $\mu\text{H}$ .



# IRON POWDER TOROIDAL

Outer diameter: from 30 to 400D (OD 7.8mm~102mm).

Material: -2 (red/clear), -8 (yellow/red), -18 (green/red), -26 (yellow/white), -28 (grey/green), -33 (grey/yellow), -38 (grey/black), -40 (green/yellow), -45 (black), -52 (green/blue).

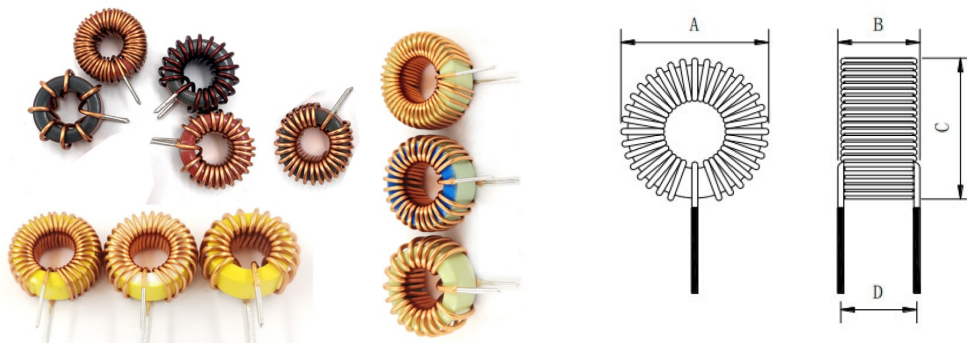
1. Working frequency: 50Hz - 5MHz
2. Output power: 1 to 500 W
3. Working temperature: -40°C to +200°C
4. Storage temperature: -25°C to +50°C
5. Storage humidity: 30 to 95%

## Characteristic

It is made of 100% iron powder with an organic or inorganic binder. The bias performance is the highest among all powder core materials. The production process is more simple, raw material is cheaper, and has good magnetic properties. It is the largest usage and most extensive among the four metal powders. From  $\mu$  E10 -2 material iron powder core to  $\mu$  E75-26-52 and other materials of iron powder core, suitable for a variety of different occasions. There is ferrite mixed into the right amount of composite iron core, with high permeability, in some use occasions can make up for the low permeability of iron core defects.

## Application

Mainly used in high-frequency rectifiers, conversion output rectifiers, EMI filters, pulse transformers, DC output/input filters, dimming current converters, PFC, flyback inductors and etc.



## IRON POWDER CORE DIMENSION

Type	Inductance	A	B	C	D	Work Frequency
T 16 - 26,52	1.0 uH - 10.0 uH	6.0	3.5	6.0	2.5	10.0 - 100.0 KHZ
T 20 - 26,52	1.0 uH - 10.0 uH	7.0	4.0	7.0	3.0	10.0 - 100.0 KHZ
T 25 - 26,52	1.0 uH - 15.0 uH	8.5	4.5	8.5	3.5	10.0 - 100.0 KHZ
T 26 - 26,52	1.0 uH - 25.0 uH	8.5	7.0	8.5	6.0	10.0 - 100.0 KHZ
T 30 - 26,52	2.0 uH - 30.0 uH	10.0	5.5	10.0	4.5	10.0 - 100.0 KHZ
T 37 - 26,52	2.0 uH - 35.0 uH	12.0	5.5	12.0	4.5	10.0 - 100.0 KHZ
T 38 - 26,52	2.0 uH - 45.0 uH	12.0	7.0	12.0	6.0	10.0 - 100.0 KHZ
T 44 - 26,52	3.0 uH - 50.0 uH	13.0	6.0	13.0	5.0	10.0 - 100.0 KHZ
T 50 - 26,52	5.0 uH - 60.0 uH	15.0	8.0	15.0	6.0	10.0 - 100.0 KHZ
T 51 - 26,52	5.0 uH - 60.0 uH	12.0	8.5	12.0	7.0	10.0 - 100.0 KHZ
T 60 - 26,52	5.0 uH - 70.0 uH	18.0	8.5	18.0	7.0	10.0 - 100.0 KHZ
T 68 - 26,52	5.0 uH - 75.0 uH	21.0	8.5	21.0	7.0	10.0 - 100.0 KHZ
T 72 - 26,52	5.0 uH - 75.0 uH	21.0	9.0	21.0	7.0	10.0 - 100.0 KHZ
T 80 - 26,52	5.0 uH - 80.0 uH	24.0	9.0	24.0	8.0	10.0 - 100.0 KHZ
T 90 - 26,52	5.0 uH - 80.0 uH	27.0	13.0	27.0	11.0	10.0 - 100.0 KHZ
T 94 - 26,52	5.0 uH - 80.0 uH	27.0	11.0	27.0	9.0	10.0 - 100.0 KHZ
T 106 - 26,52	5.0 uH - 80.0 uH	31.0	14.0	31.0	12.0	10.0 - 100.0 KHZ
T 130 - 26,52	0.5 mH - 3.0 mH	36.0	14.0	36.0	12.0	10.0 - 100.0 KHZ
T 131 - 26,52	0.5 mH - 3.0 mH	36.0	14.0	36.0	12.0	10.0 - 100.0 KHZ
T 141 - 26,52	0.7 mH - 3.2 mH	39.0	14.0	39.0	12.0	10.0 - 100.0 KHZ
T 150 - 26,52	1.0 mH - 3.5 mH	42.0	14.0	42.0	12.0	10.0 - 100.0 KHZ
T 157 - 26,52	1.0 mH - 3.5 mH	43.0	17.0	43.0	15.0	10.0 - 100.0 KHZ
T 175 - 26,52	1.0 mH - 3.7 mH	48.0	19.0	48.0	17.0	10.0 - 100.0 KHZ
T 184 - 26,52	1.0 mH - 3.5 mH	51.0	22.0	51.0	19.0	10.0 - 100.0 KHZ
T 200 - 26,52	2.0 mH - 4.0 mH	55.0	28.0	55.0	26.0	10.0 - 100.0 KHZ
T 201 - 26,52	2.0 mH - 4.0 mH	55.0	25.0	55.0	23.0	10.0 - 100.0 KHZ
T 225 - 26,52	2.0 mH - 4.0 mH	60.0	18.0	60.0	16.0	10.0 - 100.0 KHZ
T 250 - 26,52	2.0 mH - 4.0 mH	68.0	30.0	68.0	27.0	10.0 - 100.0 KHZ
T 300 - 26,52	2.0 mH - 4.0 mH	81.0	40.0	81.0	25.0	10.0 - 100.0 KHZ
T 400 - 26,52	2.0 mH - 4.0 mH	115.0	50.0	115.0	30.0	10.0 - 100.0 KHZ

## SENDUST COIL

1. Working frequency: 8KHz - 1MHz
2. Output power: 0.05 to 3000 W
3. Working temperature: -40°C to +200°C
4. Storage temperature: -25°C to +85°C
5. Storage humidity: 30 to 95%

### Characteristic

It is made of an alloy powder, iron powder, silicon and aluminium, pressed into a ring or e-type magnetic powder core. It is named Kool  $M\mu$  core or Sendust core.

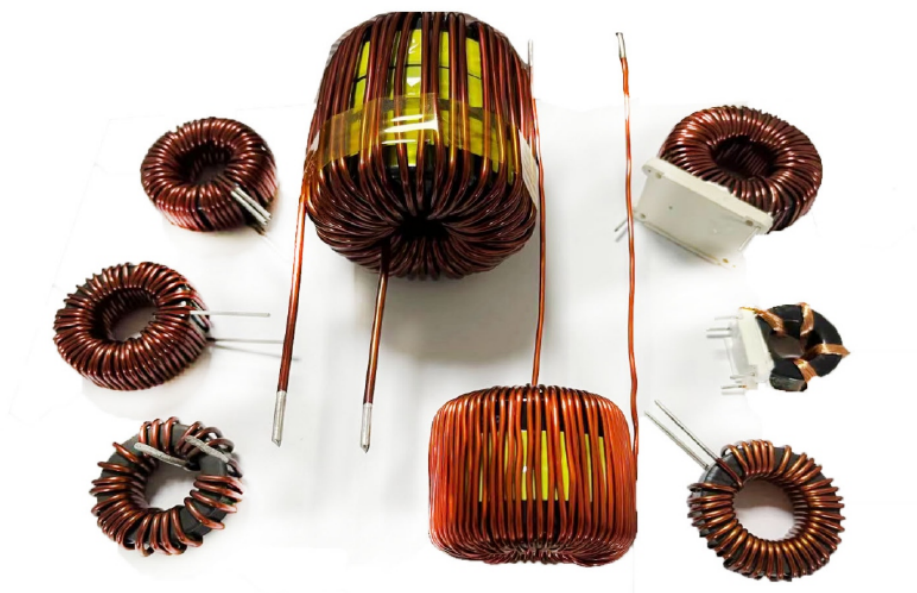
Sendust coil can be used at frequencies above 8KHz, saturation magnetic induction is about 1.05T. The permeability ranges from 26 to 125, the magnetostrictive coefficient is near to zero.

No noise is generated when working at different frequencies.

Higher DC bias capacity than MPP, with high function-price ratio.

### Application

Mainly used in AC inductor, output inductor, line filter, power factor correction circuit and also substitute air gap ferrite for a transformer core.





# SENDUST COIL

Sendust core dimension are shown in the table below:

OD = outer diameter, ID = inner diameter, HT = height, Perm = permeability.

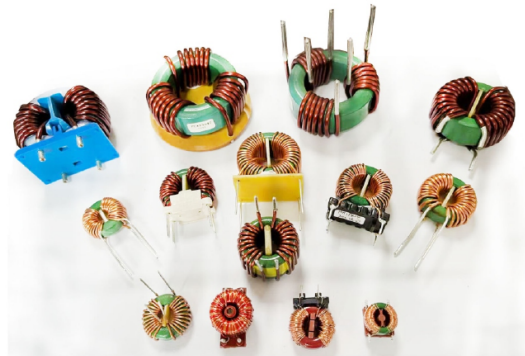
Core	OD (in/mm)	ID (in/mm)	Ht (in/mm)	Core	OD (in/mm)	ID (in/mm)	Ht (in/mm)
T 14	0.135/3.43	0.67/1.70	0.060/1.52	T 106	1.060/26.9	0.570/14.5	0.437/11.1
T 16	0.160/4.06	0.78/1.98	0.060/1.52	T 106A	1.060/26.9	0.570/14.5	0.312/7.92
T 20	0.200/5.08	0.088/2.24	0.070/1.78	T 106B	1.060/26.9	0.570/14.5	0.575/14.6
T 22	0.223/5.66	0.097/2.46	0.143/3.63	T 124	1.245/31.6	0.710/18.0	0.280/7.11
T 25	0.225/6.48	0.120/3.05	0.096/2.44	T 130	1.300/33.0	0.780/19.8	0.437/11.1
T 26	0.265/6.73	0.105/2.67	0.190/4.83	T 130A	1.300/33.0	0.780/19.8	0.225/5.72
T 27	0.280/7.11	0.151/3.84	0.128/3.25	T 131	1.300/33.0	0.640/16.3	0.437/11.1
T 30	0.307/7.80	0.151/3.84	0.128/3.25	T 132	1.300/33.0	0.700/17.8	0.437/11.1
T 32	0.327/8.31	0.169/4.29	0.158/4.01	T 141	1.415/35.9	0.880/22.4	0.412/10.5
T 37	0.375/9.53	0.205/5.21	0.128/3.25	T 150	1.510/38.4	0.845/21.5	0.437/11.1
T 38	0.375/9.53	0.175/4.45	0.190/4.83	T 150A	1.510/38.4	0.845/21.5	0.325/8.26
T 40	0.400/10.2	0.205/5.21	0.163/4.14	T 157	1.570/39.9	0.950/24.1	0.570/14.5
T 44	0.440/11.2	0.229/5.82	0.159/4.04	T 175	1.750/44.5	1.070/27.2	0.650/16.5
T 44C	0.440/11.2	0.229/5.82	0.250/6.35	T 184	1.840/46.7	0.950/24.1	0.710/18.0
T 44D	0.440/11.2	0.229/5.82	0.388/8.59	T 200	2.000/50.8	1.250/31.8	0.550/14.0
T 50	0.500/12.7	0.303/7.70	0.190/4.83	T 200B	2.000/50.8	1.250/31.8	1.000/25.4
T 50B	0.500/12.7	0.303/7.70	0.250/6.35	T 201	2.000/50.8	0.950/24.1	0.875/22.2
T 50C	0.500/12.7	0.303/7.70	0.335/8.51	T 224C	2.25/57.2	1.250/31.8	0.750/19.1
T 50D	0.500/12.7	0.303/7.70	0.375/9.53	T 225	2.25/57.2	1.405/35.7	0.550/14.0
T 57	0.573/14.6	0.273/6.93	0.196/4.98	T 225B	2.25/57.2	1.405/35.7	1.000/25.4
T 60	0.600/15.2	3.36/8.53	0.234/5.94	T 249	2.500/63.5	1.405/35.7	1.000/25.4
T 60D	0.600/15.2	3.36/8.53	0.470/11.9	T 250	2.500/63.5	1.250/31.8	1.000/25.4
T 68	0.690/17.5	0.370/9.40	0.190/4.83	T 260	2.670/67.9	1.600/40.7	1.000/25.4
T 68A	0.690/17.5	0.370/9.40	0.250/6.35	T 300	3.040/77.2	1.930/49.6	0.500/12.7
T 68D	0.690/17.5	0.370/9.40	0.375/9.53	T 300D	3.040/77.2	1.930/49.6	1.000/25.4
T 72	0.720/18.3	0.720/18.3	0.260/6.60	T 350	3.500/89.0	2.140/54.5	1.000/25.4
T 80	0.795/20.2	0.495/12.6	0.250/6.35	T 400	4.000/102	2.250/57.2	0.650/16.5
T 80B	0.795/20.2	0.495/12.6	0.375/9.53	T 400D	4.000/103	2.250/57.3	1.300/33.0
T 80D	0.795/20.2	0.495/12.6	0.500/12.7	T 520	5.200/132	3.080/78.2	0.800/20.3
T 90	0.900/22.9	0.550/14.0	0.375/9.53	T 520D	5.200/132	3.080/78.2	1.600/40.6
T 94	0.942/23.9	0.560/14.2	0.312/7.92	T 650	6.500/165	3.500/88.9	2.000/50.8
T 95B	0.942/23.9	0.495/12.6	0.375/9.53				

## COMMON MODE INDUCTOR

1. Working frequency: 30KHz - 100KHz
2. Working current: 0.1A to 300A
3. Working temperature: -40°C to +200°C
4. Storage temperature: -25°C to +85°C
5. Storage humidity: 30 to 95%

### Characteristic

The common-mode inductor is also called a common mode choke coil, it is one of the ferrite core of common-mode interference suppression devices. It is made up of two same sizes, the same number of turns of the coil symmetrically on the same ferrite ring core, forming a four-terminal device, to the common-mode signal present a large inductance with inhibition, and for the differential mode signal present a little small leakage inductance. Ferrite cores with high initial permeability are often selected to be made, such as UU ET EE ring type. It has the advantage of easy making, simple installation, low price and high reliability.

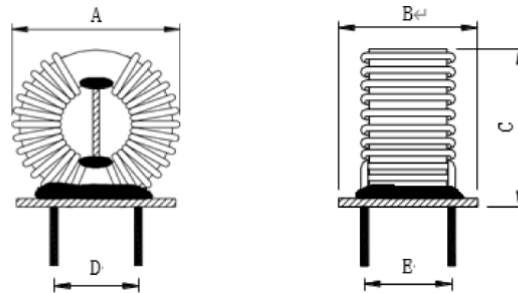


### Application

When the common-mode current flows, the magnetic fluxes in the magnetic ring are superimposed on each other, which has a considerable inductance and suppresses the common-mode current. When the two coils flow through the differential mode current, the magnetic fluxes in the magnetic ring mutually cancellation, almost no inductance, so the differential mode current can pass without attenuation. Therefore, the common-mode inductance can effectively suppress the common-mode interference signal in the balanced line but has no effect on the differential mode signal normally transmitted by the line.



## COMMON MODE INDUCTOR



Type	Inductance	A	B	C	D	Work Frequency
T 8*4*3	0.2 mH - 1.0 mH	12.0	7.0	14.0	5.0	10.0 - 100.0 KHZ
T 9*5*3	0.8 mH - 3.0 mH	13.0	7.0	15.0	5.0	10.0 - 100.0 KHZ
T 10*6*5	0.8 mH - 3.1 mH	14.0	9.0	16.0	6.0	10.0 - 100.0 KHZ
T 12*6*4	1.5 mH - 4.0 mH	16.0	8.5	18.0	6.0	10.0 - 100.0 KHZ
T 14*9*5	1.5 mH - 4.5 mH	18.0	10.0	20.0	8.0	10.0 - 100.0 KHZ
T 16*9*5	1.8 mH - 5.0 mH	20.0	10.0	22.0	8.0	10.0 - 100.0 KHZ
T 18*10*8	2.5 mH - 6.0 mH	23.0	13.0	25.0	12.0	10.0 - 100.0 KHZ
T 20*10*10	3.0 mH - 10.0 mH	24.0	15.0	26.0	13.0	10.0 - 100.0 KHZ
T 22*14*8	3.5 mH - 12.0 mH	26.0	13.0	28.0	12.0	10.0 - 100.0 KHZ
T 25*15*10	5.0 mH - 20.0 mH	30.0	15.0	32.0	13.0	10.0 - 100.0 KHZ
T 25*15*13	5.0 mH - 25.0 mH	30.0	18.0	32.0	15.0	10.0 - 100.0 KHZ
T 31*19*13	3.0 mH - 25.0 mH	36.0	18.0	38.0	16.0	10.0 - 100.0 KHZ
T 38*19*13	3.0 mH - 25.0 mH	44.0	18.0	46.0	16.0	10.0 - 100.0 KHZ
T 48*30*15	10.0 mH - 30.0 mH	54.0	20.0	56.0	18.0	10.0 - 100.0 KHZ
T 78*50*16	10.0 mH - 50.0 mH	88.0	25.0	90.0	18.0	10.0 - 100.0 KHZ
T 85*55*25	10.0 mH - 50.0 mH	96.0	40.0	96.0	30.0	10.0 - 100.0 KHZ
T 102*65*20	10.0 mH - 50.0 mH	115.0	40.0	115.0	30.0	10.0 - 100.0 KHZ

## TOROIDAL WITH CASE

- It has better mechanical and insulating properties.
- All kinds of toroidals can be encapsulated inside.

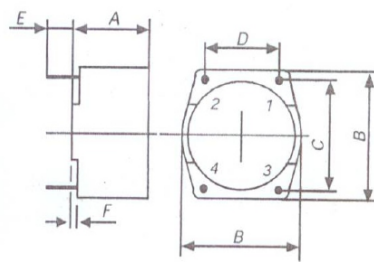
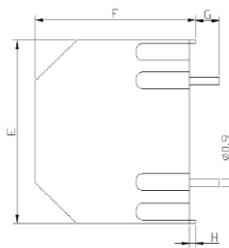
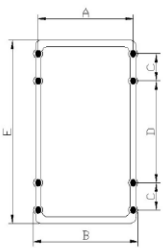
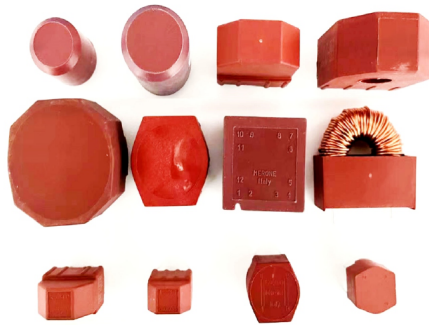


FIG. 1

FIG. 2

Tape	A	B	C	D	E	F	G	H	Fig.
790006	17.5	19.5		12.5	31	32.5	4	1	1
790073	15	18	5	12.5	27	30	4	1	1
790074	15	18	7.5	12.5	32	35	4	1	1
790095	12.5	17.5	15	10	4	2			2
790096	13	22	20	12.5	4	2			2
790097	16.5	28	25	15	4	2			2
790098	16	16	20	17.5	4	2			2
790099	22	26	20	17.5	4	2			2
790102	15	32	30	20	4	2			2
790115	10	13	5	5	18	18	4	2	1
790121	12.5	15.5	5	10	23	21	4	1	1



## ROD CORE INDUCTOR

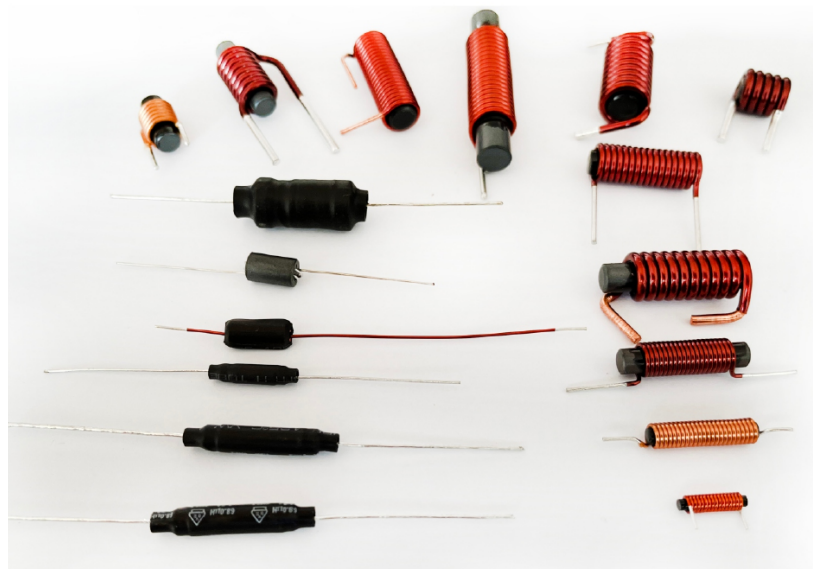
1. Working frequency: 40Khz to 5MHz
2. Working temperature: -40°C to +125°C
3. Storage temperature: -25°C to +85°C
4. Storage humidity: 30 to 95%

### Characteristic

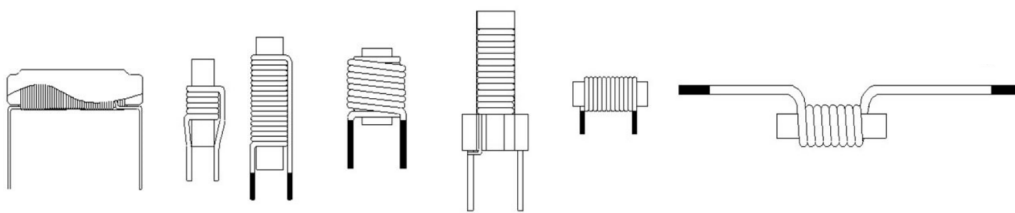
It has the advantage of small size, easy making, simple installation, low price and high reliability.

### Application

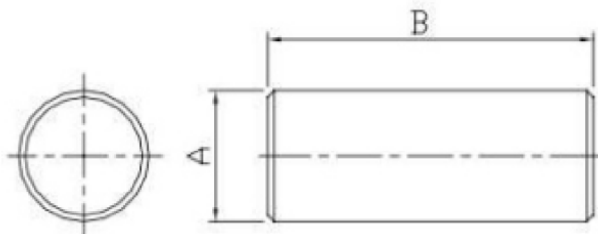
Widely used in chokes, filter inductor, energy storage inductors, EMI differential mode inductor, boost inductor, oscillation inductor, RF radio frequency and etc.



# ROD CORE INDUCTOR



N°	Item	ΦA (mm)	B (mm)	N°	Item	ΦA (mm)	B (mm)
1	2 X 12	2.0 ± 0.1	12 ± 0.3	16	5.5 X 20	5.5 ± 0.2	20 ± 0.6
2	2 X 14	2.0 ± 0.1	14 ± 0.3	17	5.5 X 20	5.5 ± 0.2	30 ± 0.8
3	2.5 X 20	2.5 ± 0.1	20 ± 0.6	18	6 X 10	6.0 ± 0.2	10 ± 0.3
4	3 X 10	3.0 ± 0.1	10 ± 0.5	19	6 X 25	6.0 ± 0.2	25 ± 0.5
5	3 X 15	3.0 ± 0.1	15 ± 0.5	20	6 X 30	6.0 ± 0.2	30 ± 0.8
6	3 X 20	3.0 ± 0.1	20 ± 0.6	21	6 X 35	6.0 ± 0.2	35 ± 0.8
7	3.3 X 20	3.3 ± 0.1	20 ± 0.6	22	7 X 25	7.0 ± 0.2	25 ± 0.6
8	4 X 15	4.0 ± 0.15	15 ± 0.5	23	8 X 25	8.0 ± 0.2	25 ± 0.6
9	4 X 20	4.0 ± 0.15	20 ± 0.6	24	8 X 30	8.0 ± 0.2	30 ± 0.8
10	4 X 25	4.0 ± 0.15	25 ± 0.6	25	8 X 40	8.0 ± 0.2	40 ± 1.0
11	4 X 30	4.0 ± 0.15	30 ± 0.8	26	10 X 20	10.0 ± 0.3	20 ± 0.5
12	5 X 15	5.0 ± 0.2	15 ± 0.5	27	10 X 25	10.0 ± 0.3	25 ± 0.6
13	5 X 20	5.0 ± 0.2	20 ± 0.6	28	10 X 35	10.0 ± 0.3	35 ± 0.8
14	5 X 25	5.0 ± 0.2	25 ± 0.6	29	12 X 30	12.0 ± 0.3	30 ± 0.6
15	5 X 30	5.0 ± 0.2	30 ± 0.8	30	12 X 50	12.0 ± 0.3	50 ± 1.0



## THANKS FOR YOUR ATTENTION

- CAREFULLY CRAFTED
- FURTHER REFINEMENT
- CUSTOMER SUPREMACY
- CONTINUOUS IMPROVEMENT

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