

■ Features

- Line filters suppressing conductive noise ranging from low to high frequency generated at power supply circuit of various electronic equipment.
- High levels of safety and reliability.
- Extremely cost effective design.
- Useful for application requiring inductance to vary with current load changes.
- Self electromagnetic shielding. Easy PC board mounting on version application.

■ Applications

- TV and Audio equipment.
- Switching power supplies.
- Motherboard.
- Buzzers and Alarm systems.
- Other noise filters.

■ Product Identification

<u>YDTCB</u>	<u>140905</u>	—	<u>203</u>	<u>W</u>
(1)	(2)		(3)	(4)

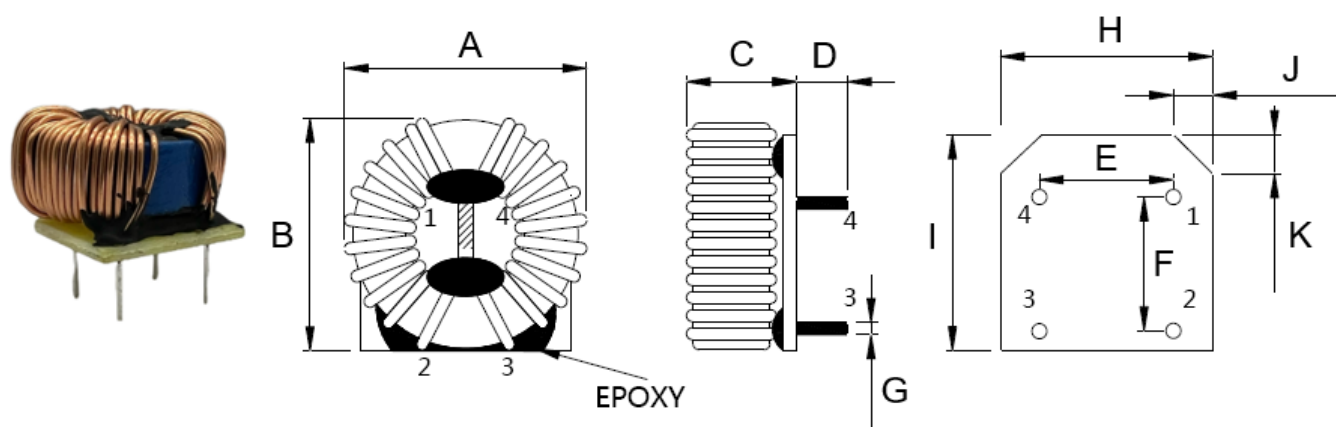
(1) : Type

(2) : Dimensions

(3) : Inductance value: 203=20mH

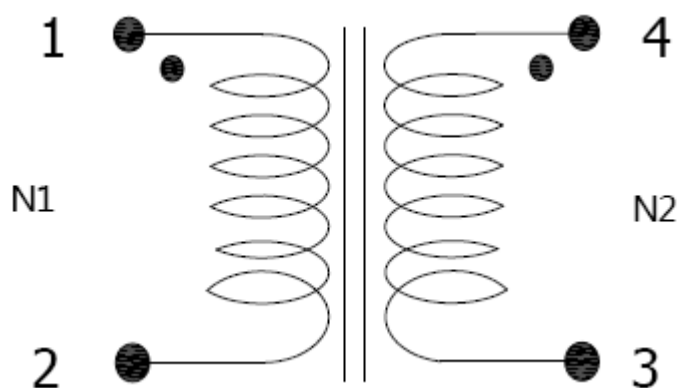
(4) : Style: L- vertical W-horizontal

■ Shapes and Dimensions (Unit: mm)



A Max.	B Max.	C Max.	D	E	F	G	H Ref.	I Ref.	J Ref.	K Ref.
18.5	17.5	12.5	5.0±0.5	8.0±0.5	6.5±0.5	0.5±0.1	13.0	12.5	2.5	2.5

■ Schematic Circuit



■ Electrical Specification(at 25°C)

Test Item	Spec	Pin	Test Condition	Test Instruments
L	20mH Min.	1-2,4-3	1KHz/0.25V	HP-4284A/TH2828
DCR	100 mΩ Max	1-2,4-3	25°C	502BC
HI-POT	1000VAC	Coils ~ Coils	5mA/3S/50Hz	TH-9320

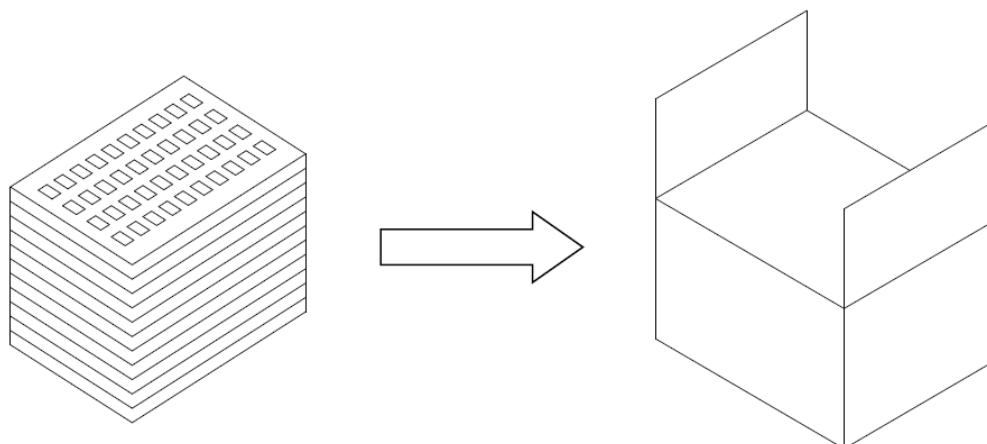
■ Winding Construction

Order	S – F	Wire Size	Turns	Notes
N1	1 – 2	Φ 0.5×1P	32.5TS REF	Split winding
N2	4 – 3	Φ 0.5×1P	32.5TS REF	Split winding

■ Reliability

No.	Item	Material	Vendor	Rating	UL File
1	Core	T14×9×5-C	Gerun		N/A
		T14×9×5-C	YongWang		N/A
2	Wire	1UEW+NY Φ0.5mm	Prosperity	155°C	E196072
		1UEW+NY Φ0.5mm	YiDa	155°C	E344055
		1UEW+NY Φ0.5mm	Pacific	155°C	E201757
3	Epoxy	QDJ600(#)	QiangDa	130°C	E351561
4	PCB Base	FR-4.1 Yellow	KingBoard	130°C	E123995
5	PCB Spacer	FR-1 Yellow	KingBoard	130°C	E123995
6	Solder	SN99.9	Yunnan Tin		

■ Packaging



No.	Packaging Materials	Reference Dimension	Material	Quantity
1	Box(TC-001)	265×180×15(mm)	PET	140PCS/Box
2	Master Carton	315×210×135(mm)	K36K	10Box/Carton