

■ 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>090503</u>	—	<u>201</u>	<u>L</u>
(1)	(2)		(3)	(4)

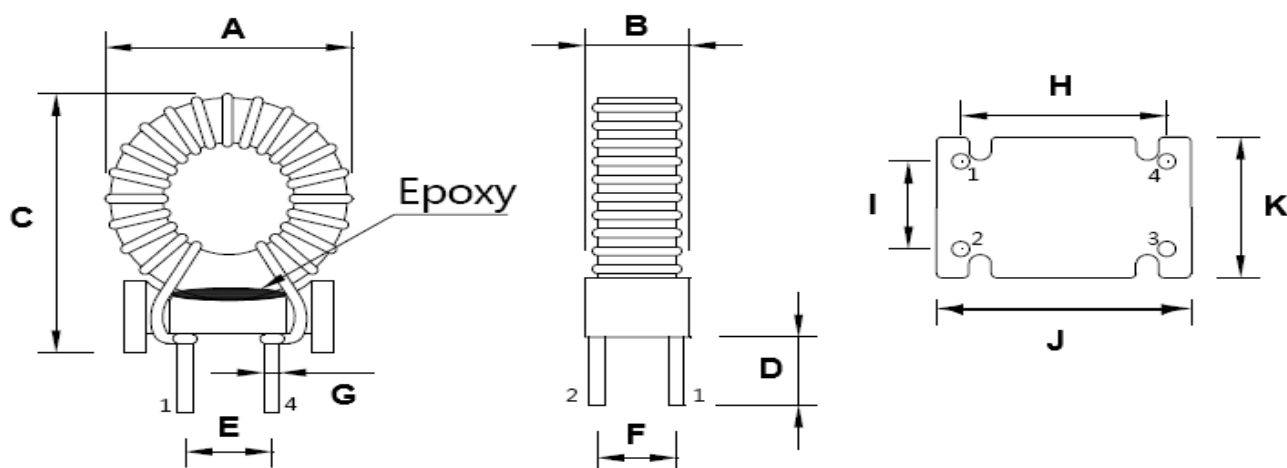
(1) : Type

(2) : Dimensions

(3) : Inductance value: 201=200uH

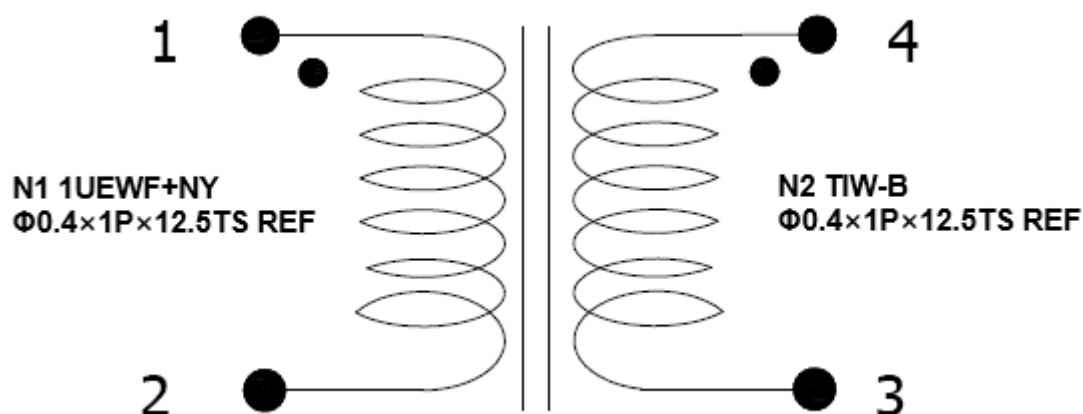
(4) : Style: L- vertical W-horizontal

■ Shapes and Dimensions (Unit: mm)



A Max.	B Max.	C Max.	D	E	F	G	H	I	J	K
12.0	8.0	15.0	3.0±0.5	7.0±0.3	3.5±0.3	0.5±0.1	7.0±0.5	3.5±0.5	9.1±0.5	6.1±0.5

■ Schematic Circuit



■ General Specification

Rating DC current: Temperature rise(ΔT) is 40°C approximately at I_{rms} .

■ Electrical Specification(at 25℃)

Test Item	Spec	Pin	Test Condition	Test Instruments
L	200uH Min.	1-2,4-3	1KHz/0.25V R100Ω	TH-2828
DCR	40.0mΩ Max	1-2,4-3	25℃	502BC
Insulation Resistance	100M Ω Min.	Coils ~ Core	500VDC	TH-9320
HI-POT	1000VAC	Coils ~ Coils	1mA/3S/50Hz	TH-9320

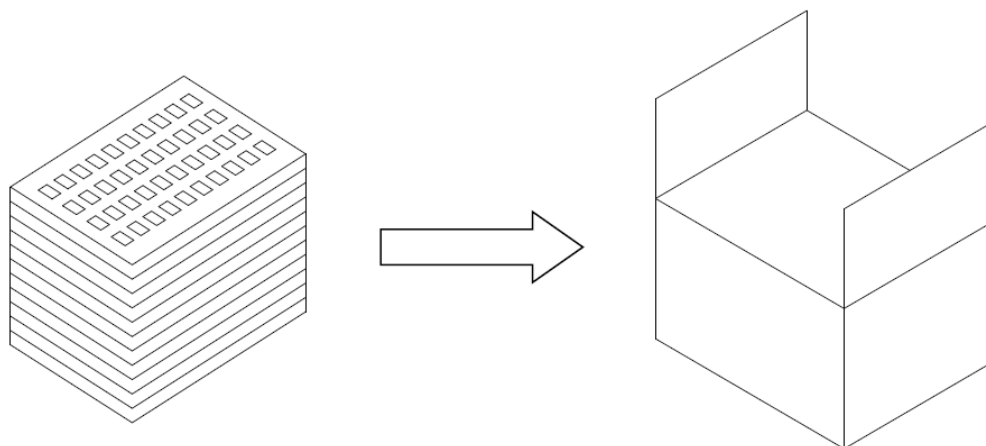
■ Winding Construction

Order	S – F	Wire Size	Turns	Notes
N1	1 – 2	1UEWF+NYΦ0.4×1P	12.5TS	Split winding
N2	4 – 3	TIW-B Φ0.4×1P	12.5TS	Split winding

■ Reliability

No.	Item	Material	Vendor	Rating	UL File
1	Core	T9×5×3C LTH5 Green coating	LiTong		
		T9×5×3C YF5K Green coating	YFCD		
2	Wire	P1-2: 1UEWF+NY Φ0.4	Prosperity	155℃	E196072
		P4-3: TIW-B Φ0.4	Koshen	130℃	E365580
3	Varnish	DA-700-6	Qiang Da	130℃	E347463
4	Epoxy	BSA-6201AB Black	FuFan	130℃	
5	Base	T375HF	Chang Chun	150℃	E59481

■ Packaging



No.	Packaging Materials	Reference Dimension	Material	Quantity
1	Box(T003)	290×200×15(mm)	PET	120PCS/Box
2	Master Carton	315×210×135(mm)	K36K	15Box/Carton