

## ■ 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 onversion application.

## ■ Applications

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

## ■ Product Identification

<b>YDTCB</b>	<b>181007</b>	—	<b>801</b>	<b>L</b>
(1)	(2)		(3)	(4)

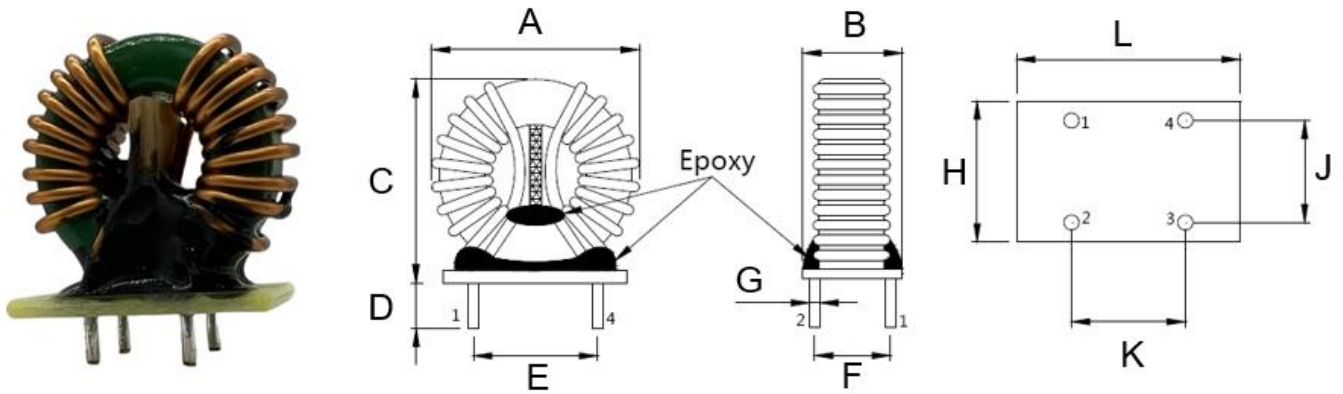
(1) : Type

(2) : Dimensions

(3) : Inductance value:801=800uH

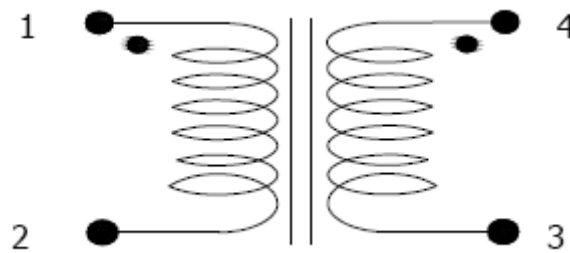
(4) : Style: L- vertical W-horizontal

**Shapes and Dimensions (Unit: mm)**



A	B	C	D	E	F	G	H	L	J	K
Max.	Max.	Max.					Ref.	Ref.	Ref.	Ref.
23.0	13.0	22.0	3.5±0.5	7.5±0.5	9.0±0.5	1.0±0.1	12.0	20.0	9.0	7.5

**Schematic Circuit**



**General Specification**

Rating DC current: Temperature rise( $\Delta T$ ) is 40°C approximately at  $I_{rms}$ .

## ■ Electrical Specification(at 25°C)

Test Item	Spec	Pin	Test Condition	Test Instruments
L	800uH Min.	1-2,4-3	1KHz/0.25V	HP-4284A
DCR	10 mΩ Max	1-2,4-3	25°C	502BC
INSULATION RESISTANCE	100M Ω Min.	Coils ~ Coils Coils ~ Core	500VDC	TH-9320
HI-POT	1000VAC	Coils ~ Coils	5mA/2S/50Hz	TH-9320

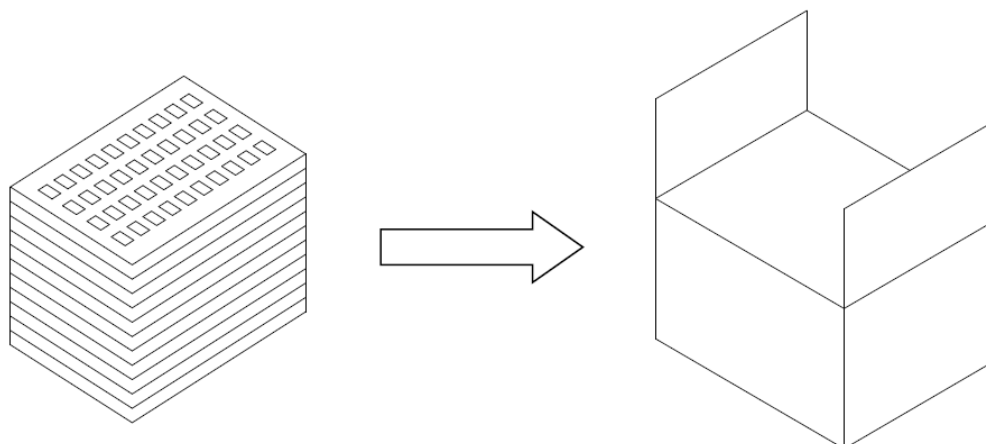
## ■ Winding Construction

Order	S – F	Wire Size	Turns	Notes
N1	1 – 2	2UEW Φ1.0×1P Brown	9.5TS Ref	Split winding
N2	4 – 3	2UEW Φ1.0×1P Brown	9.5TS Ref	Split winding

## ■ Reliability

No.	Item	Material	Vendor	Rating	UL File
1	Core	T18×10×7C YF15K Green coating	LiTong		
		T18×10×7C LTH10 Green coating	YuFeng		
2	Wire	P1-2:2UEW Φ1.0 Brown	PROSPERITY	155°C	E196072
		P4-3:2UEW Φ1.0 Brown	PROSPERITY	155°C	E196072
3	Varnish	DA-700-6	QIANG DA	130°C	E347463
4	Epoxy	BSA-6201AB Black	JINSHENGDA		
5	PCB Spacer	FR-1 YELLOW	KING BOARD	130°C	E123995
6	Base	FR-4.1 YELLOW	KING BOARD	130°C	E123995
7	Solder	SN99.9	YUNNAN TIN		

**■ Packaging**



No.	Packaging Materials	Reference Dimension	Material	Quantity
1	Box(TC-001)	265×180×15(mm)	PET	34PCS/Box
2	Master Carton	315×210×135(mm)	K36K	10Box/Carton

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