

■ 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>130806</u>	—	<u>302</u>	<u>L</u>
(1)	(2)		(3)	(4)

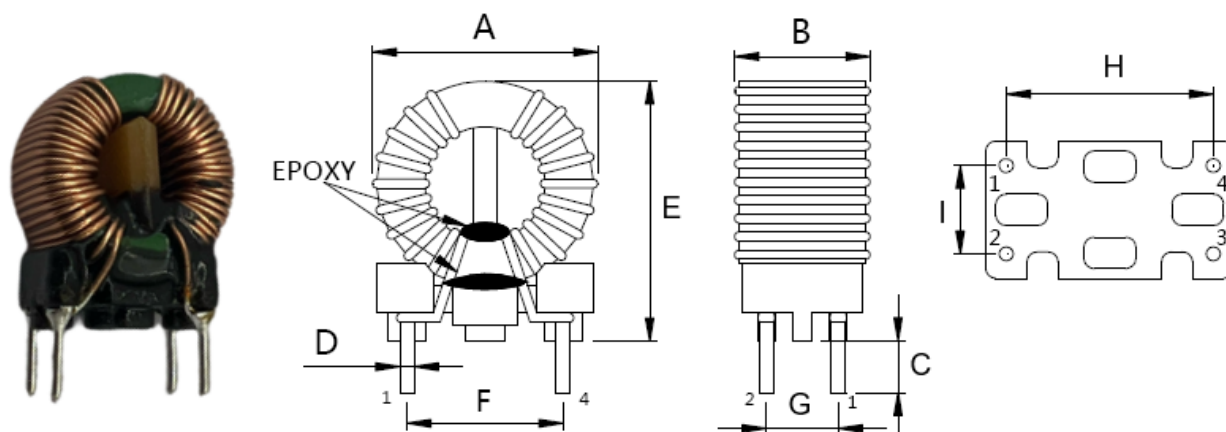
(1) : Type

(2) : Dimensions

(3) : Inductance value: 302=3.0mH

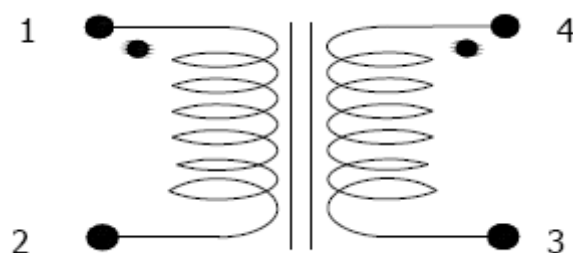
(4) : Style: L- vertical W-horizontal

■ Shapes and Dimensions (Unit: mm)



A Max.	B Max.	C	D	E Max.	F	G	H	I
16.5	10.0	3.5±0.5	0.7±0.1	18.0	10.0±0.5	4.5±0.5	10.0	4.5

■ 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	3.0mH Min.	1-2,4-3	1KHz/0.25V	HP-4284A
DCR	80 mΩ Max	1-2,4-3	25℃	502BC
HI-POT	2000VAC	Coils ~ Coils	1mA/2S/50Hz	TH-9320

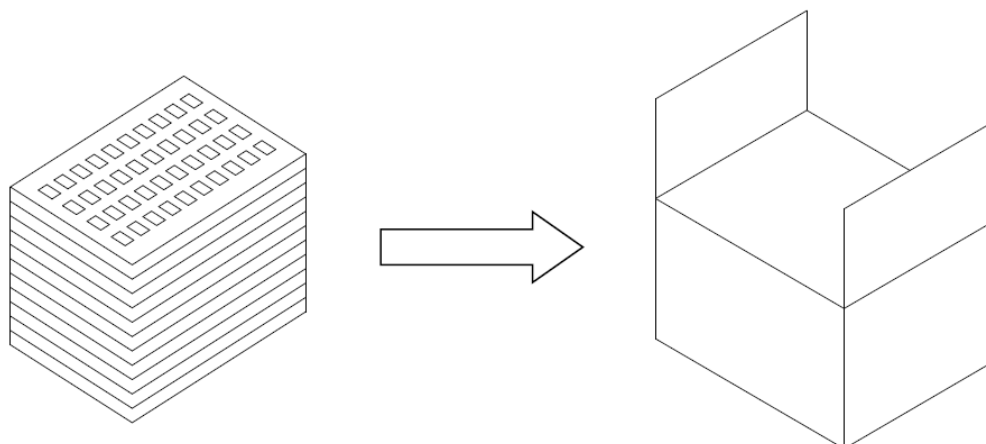
■ Winding Construction

Order	S – F	Wire Size	Turns	Notes
N1	1 – 2	1UEW+NY Φ4.5×1P Brown	22.5TS	Split winding
N2	4 – 3	1UEW+NY Φ4.5×1P Brown	22.5TS	Split winding

■ Reliability

No.	Item	Material	Vendor	Rating	UL File
1	Core	T13×8×6C LTH15 Green coating	LiTong		
		T13×8×6C YF15K Green coating	YuFeng		
2	Wire	1UEW+NY Φ4.5 Brown	PROSPERITY	155℃	E196072
		1UEW+NY Φ4.5 Brown	PACIFIC	155℃	E201757
3	Varnish	DA-700-6	Qiang Da	130℃	E347463
4	Epoxy	BSA-6201AB Black	FuFan		
5	PCB Spacer	FR-1	KingBoard	130℃	E123995
6	Base	T375HF	CHANG CHUN	150℃	E59481
7	Solder	SN99.9	Yunnan Tin		

■ Packaging



No.	Packaging Materials	Reference Dimension	Material	Quantity
1	Box(TC-001)	265×180×15(mm)	PET	70PCS/Box
2	Master Carton	315×210×135(mm)	K36K	10Box/Carton