

■ 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

YDTCB	130806	— 143	L	— B
(1)	(2)	(3)	(4)	(5)

(1) : Type

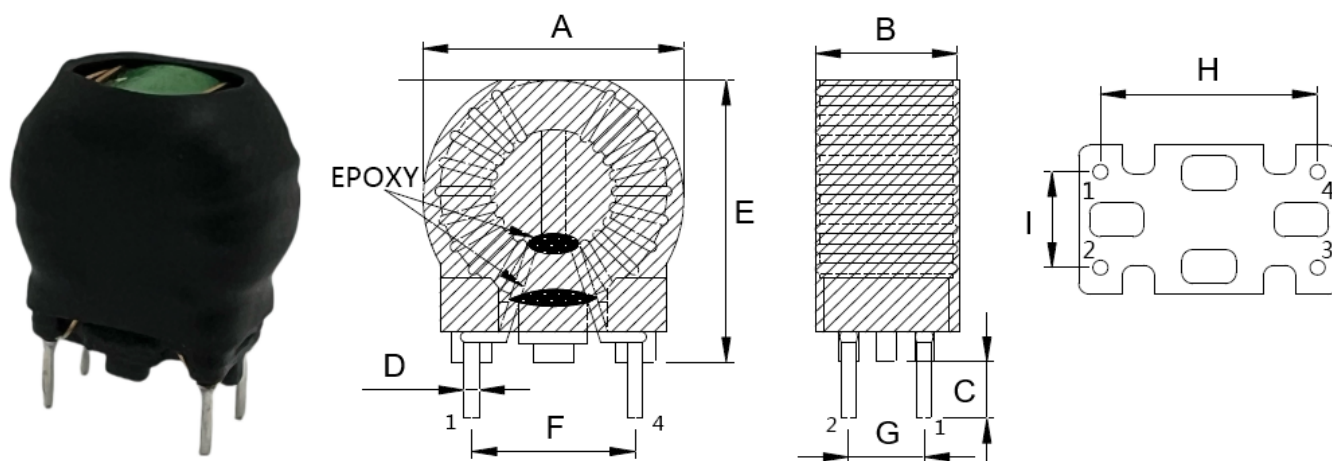
(2) : Dimensions

(3) : Inductance value: 143=14mH

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

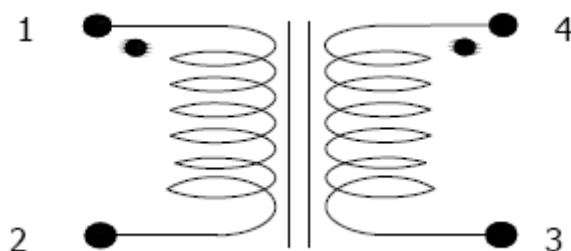
(5) : Identification code: B=Tube

■ Shapes and Dimensions (Unit: mm)



A Max.	B Max.	C	D	E Max.	F	G	H Ref.	I Ref.
17.0	11.0	3.5±0.5	0.7±0.1	18.5	10.0±0.5	4.5±0.5	10.0	4.5

■ Schematic Circuit



■ Electrical Specification(at 25°C)

Test Item	Spec	Pin	Test Condition	Test Instruments
L	14mH Min.	1-2,4-3	1KHz/0.25V	HF-4284A
DCR	300 mΩ Max	1-2,4-3	25°C	502BC
HI-POT	1000VAC	Coils ~ Coils	5mA/3S/50Hz	TH-9320

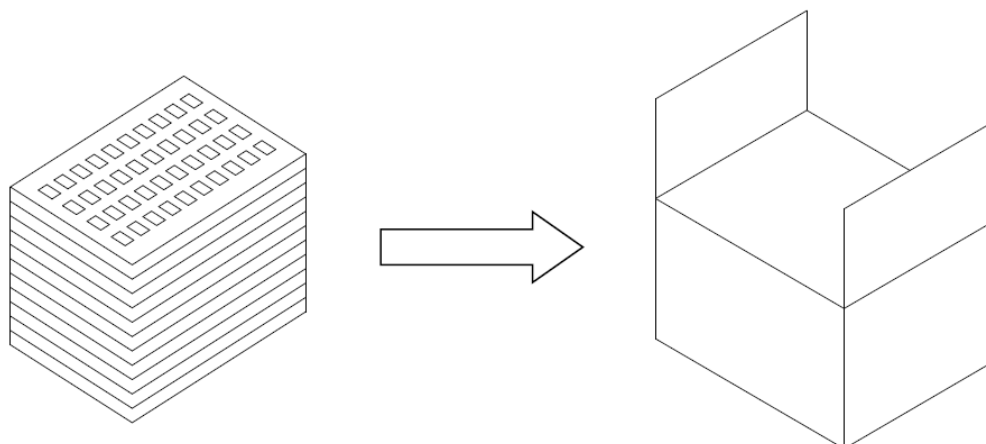
■ Winding Construction

Order	S – F	Wire Size	Turns	Notes
N1	1 – 2	Φ0.35×1P	49.5TS Ref.	Split winding
N2	4 – 3	Φ0.35×1P	49.5TS Ref.	Split winding

■ Reliability

No.	Item	Material	Vendor	Rating	UL File
1	Core	T13×8×6C Green coating	LiTong		
		T13×8×6C Green coating	YuFeng		
2	Wire	1UEWF+NY Φ0.35	Prosperity	155°C	E196072
		1UEW+NY Φ0.35	Pacific	155°C	E201757
3	Varnish	DA-700-6	Qiang Da	130°C	E347463
4	Epoxy	QDJ600(#)	Qiang Da	130°C	E351561
5	PCB Spacer	FR-1	KingBoard	130°C	E123995
6	Base	T375HF	Chang Chun	150°C	E59481
7	Solder	SN99.9	Yunnan Tin		
8	Tube	T-2	Quantai	125°C	E227336

■ Packaging



No.	Packaging Materials	Reference Dimension	Material	Quantity
1	Box(TC-001)	265×180×15(mm)	PET	60PCS/Box
2	Master Carton	315×210×135(mm)	K36K	10Box/Carton