

■ 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

YDTCB	251510	—	562	L
(1)	(2)		(3)	(4)

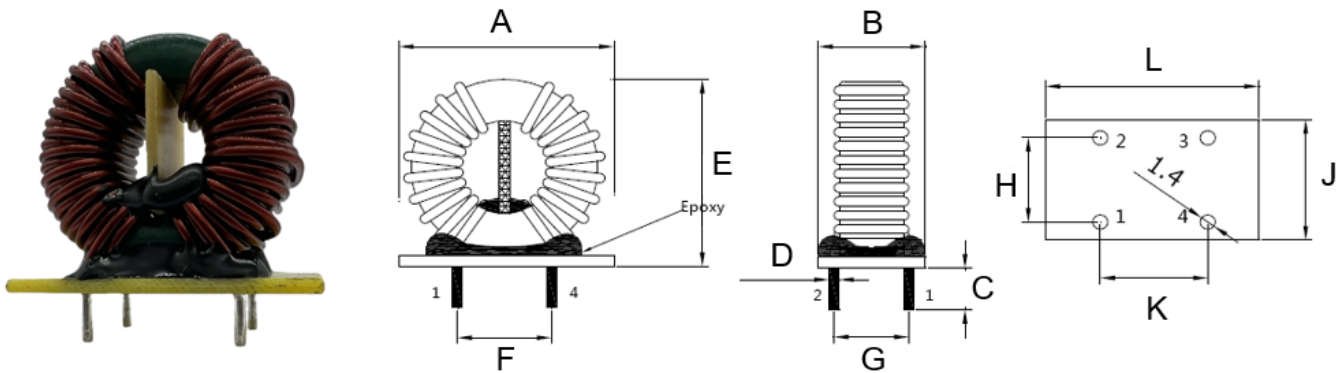
(1) : Type

(2) : Dimensions

(3) : Inductance value:562=5.6mH

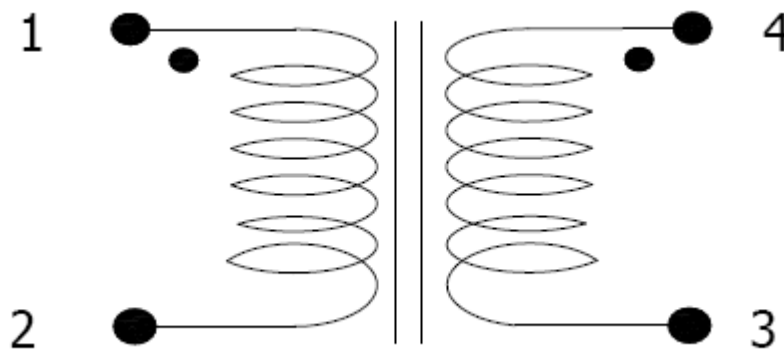
(4) : Style: L- vertical W-horizontal

■ Shapes and Dimensions (Unit: mm)



A Max.	B Max.	C	D	E Max.	F	G	H Ref.	L Ref.	J Ref.	K Ref.
35.0	20.0	5.5±0.5	1.2±0.1	32.0	16.0±0.5	13.0±0.5	13.0	33.0	18.0	16.0

■ Schematic Circuit



■ General Specification

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

■ Electrical Specification(at 25°C)

Test Item	Spec	Pin	Test Condition	Test Instruments
L	5.6mH Min	1-2,4-3	1KHz/0.3V	HP-4284A/TH2828
DCR	25 mΩ Max	1-2,4-3	25°C	502BC
HI-POT	1000VAC	Coils ~ Coils	5mA/3S/50Hz	TH-9320

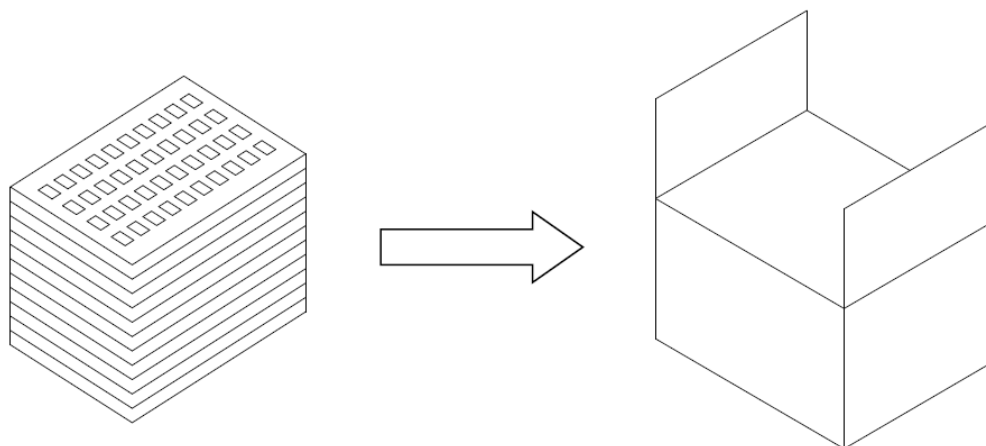
■ Winding Construction

Order	S – F	Wire Size	Turns	Notes
N1	1 – 2	Φ1.2×1P	22.5TS Ref.	Split winding
N2	4 – 3	Φ1.2×1P	22.5TS Ref.	Split winding

■ Reliability

No.	Item	Material	Vendor	Rating	UL File
1	Core	T25×15×10C Green coating	YuFeng		
		T25×15×10C Green coating	LiTong		
2	Wire	QZY-2 Φ1.2mm	JinYan	180°C	E238500
		xEIW/180 Φ1.2mm	YiDa	180°C	E344055
3	Varnish	DA-700-6	Qiang Da	130°C	E347463
4	Epoxy	QDJ600A/B	QIANG DA	130°C	E351561
5	PCB Spacer	FR-1 Yellow	KingBoard Laminates	130°C	E123995
6	PCB Base	FR-4.1 Yellow	KingBoard Laminates	130°C	E123995
7	Solder	SN99.9	Yunnan Tin		

■ Packaging



No.	Packaging Materials	Reference Dimension	Material	Quantity
1	Box(TC-002)	265×180×15(mm)	PET	48PCS/Box
2	Master Carton	315×210×135(mm)	K36K	10Box/Carton

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