

## ■ 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

$\frac{\text{YDTCB}}{(1)} \quad \frac{251510}{(2)} \quad - \quad \frac{152}{(3)} \quad \frac{\text{L}}{(4)}$

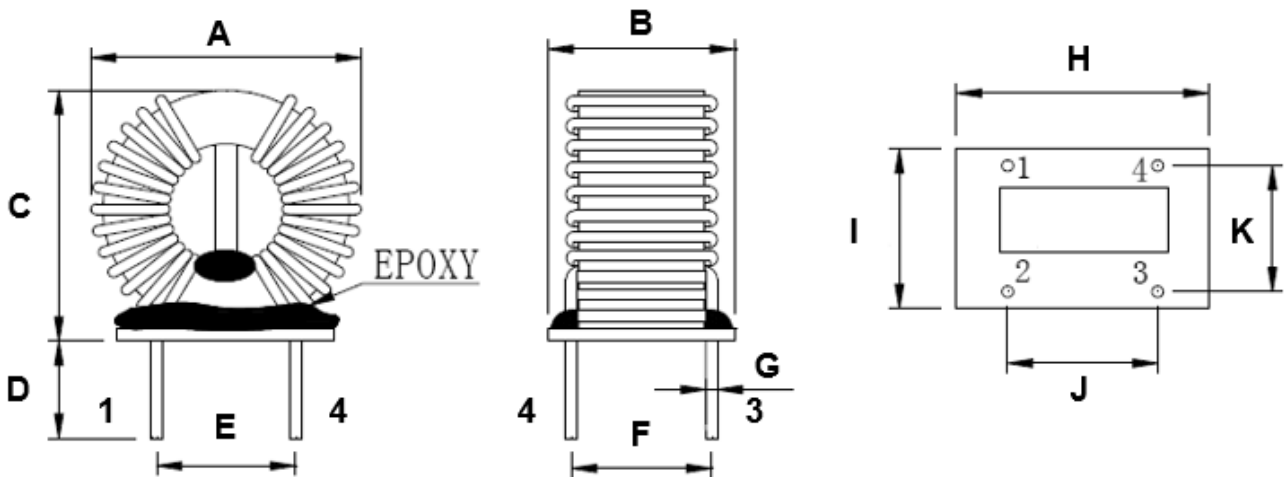
(1) : Type

(2) : Dimensions

(3) : Inductance value: 152=1.5mH

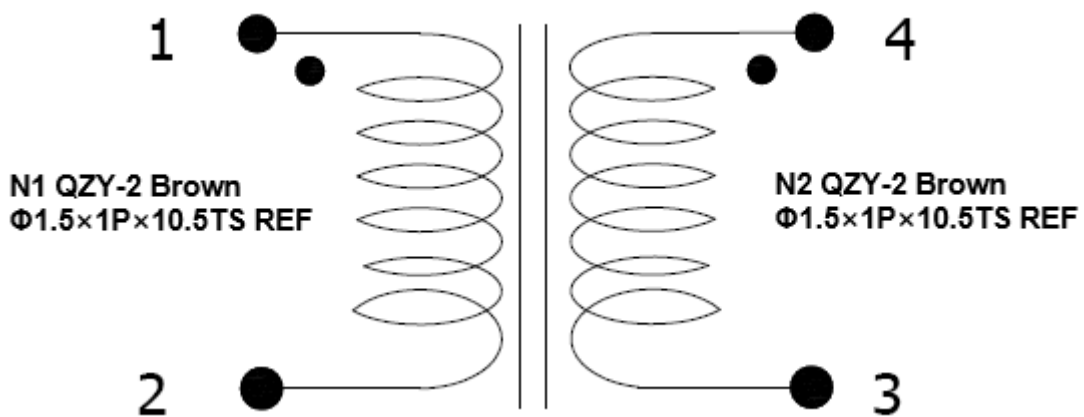
(4) : Style: L- vertical W-horizontal

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



A Max.	B Max.	C Max.	D	E	F	G	H	I	J	K
31.0	17.5	28.0	3.5±0.5	13.2±0.5	13.2±0.5	1.5±0.1	29±0.5	17±0.5	13.2±0.5	13.2±0.5

**Schematic Circuit**



**General Specification**

Rating DC current: Temperature rise ( $\Delta T$ ) is 40°C approximately at I<sub>rms</sub>.

## ■ Electrical Specification(at 25°C)

Test Item	Spec	Pin	Test Condition	Test Instruments
L	1.5mH±30%	1-2,4-3	1KHz/0.3V R100Ω	HP-4284A
DCR	6 mΩ Max	1-2,4-3	25°C	502BC
HI-POT	1000VAC	Coils ~ Coils	1mA/60S/50Hz	TH-9320
L <sub>1-2</sub> -L <sub>3-4</sub>	0.3mH Max.	1-2,4-3	1KHz/0.25V R100Ω	HP-4284A
Rated Current	14A Max.	1-2,4-3	ΔT≤40°C	TH2829A+TH1778A

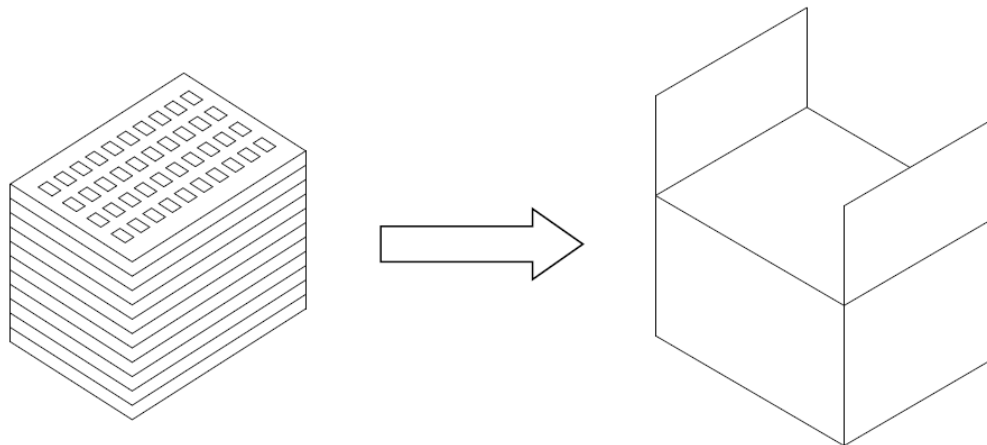
## ■ Winding Construction

Order	S – F	Wire Size	Turns	Notes
N1	1 – 2	QZY-2 Φ1.5×1P Brown	10.5TS	Split winding
N2	4 – 3	QZY-2 Φ1.5×1P Brown	10.5TS	Split winding

## ■ Reliability

No.	Item	Material	Vendor	Rating	UL File
1	Core	T25×15×10C LTH12 Green coating	LiTong		
		T25×15×10C YF12K Green coating	YuFeng		
2	Wire	QZY-2 Φ1.5 Brown	JinYan	180°C	E238500
		QZY-2 Φ1.5 Brown	YiDa	180°C	E344055
3	Varnish	DA-700-6	Qiang Da	130°C	E347463
4	Epoxy	BSA-6201AB Black	FuFan		
5	PCB Spacer	14.5×10×T1.0mm-4P FR-4.1 (HF-140) Yellow	KingBoard Laminates	130°C	E123995
6	PCB Base	29×17×T1.0mm-4P FR-4.1 (HF-140) 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	30PCS/Box
2	Master Carton	315×210×135(mm)	K36K	10Box/Carton

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