■ 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	—	152	L
(1)	(2)		(3)	(4)

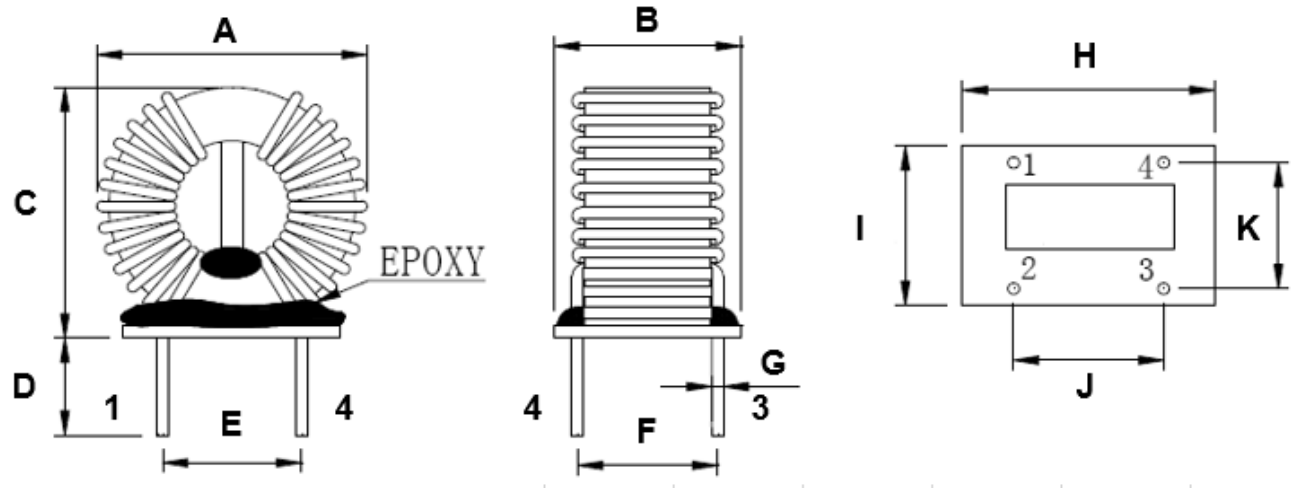
(1)： Type

(2)： Dimensions

(3)： Inductance value:152=1.5mH

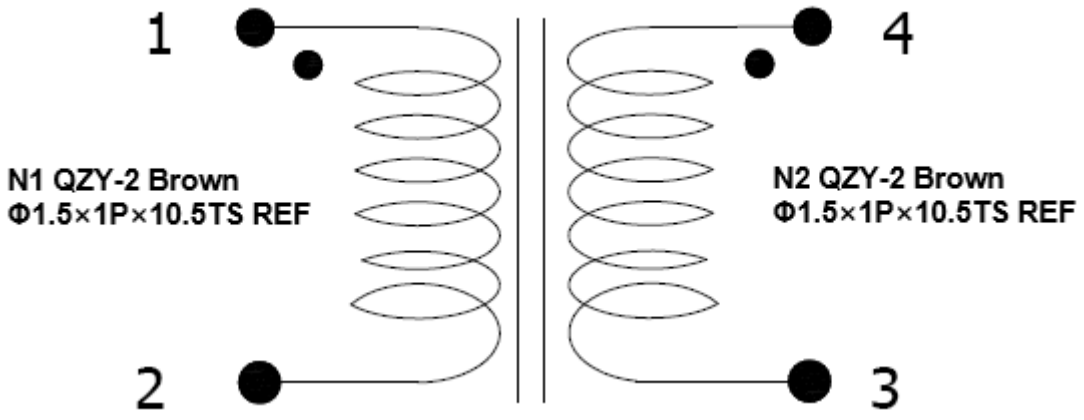
(4)： Style: L- vertical W-horizontal

■ 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(ΔT) is 40℃ approximately at Irms.

■ Electrical Specification(at 25℃)

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℃	502BC
HI-POT	1000VAC	Coils ~ Coils	1mA/60S/50Hz	TH-9320
$\lvert L_{1-2}-L_{3-4} \rvert$	0.3mH Max.	1-2,4-3	1KHz/0.25V R100Ω	HP-4284A
Rated Current	14A Max.	1-2,4-3	ΔT≤40℃	TH2829A+TH1778A

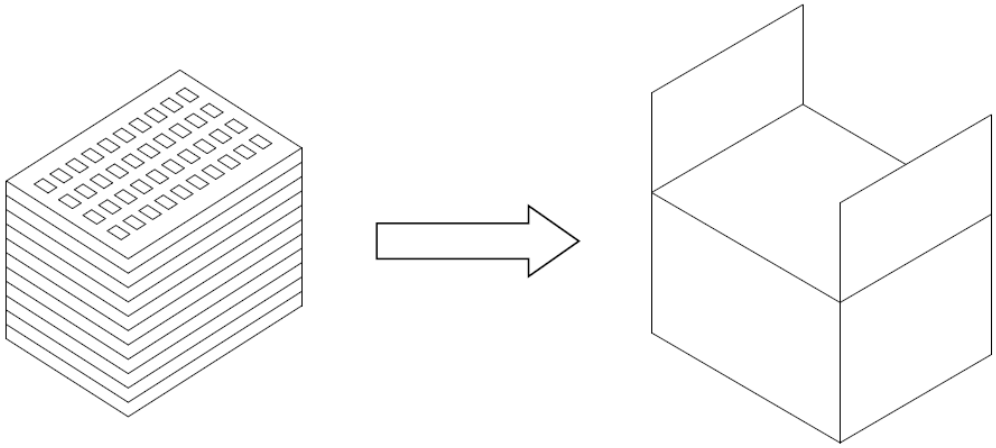
■ Winding Construction

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℃	E238500
		QZY-2 Φ1.5 Brown	YiDa	180℃	E344055
3	Varnish	DA-700-6	Qiang Da	130℃	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℃	E123995
6	PCB Base	29×17×T1.0mm-4P FR-4.1 (HF-140) Yellow	KingBoard Laminates	130℃	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