

■ 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

YDTC	090503	— 500~131	L
(1)	(2)	(3)	(4)

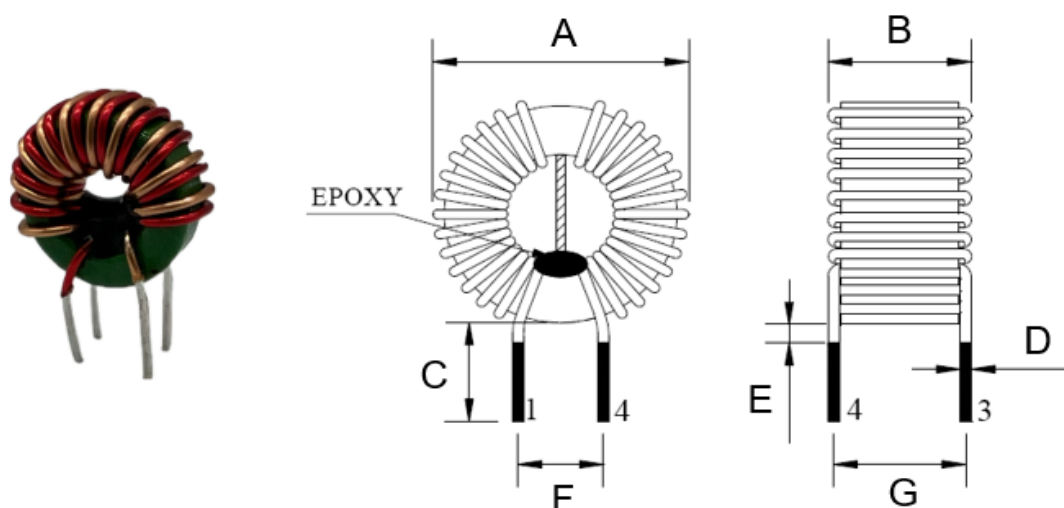
(1) : Type

(2) : Dimensions

(3) : Inductance value: 500~131=50uH~130uH

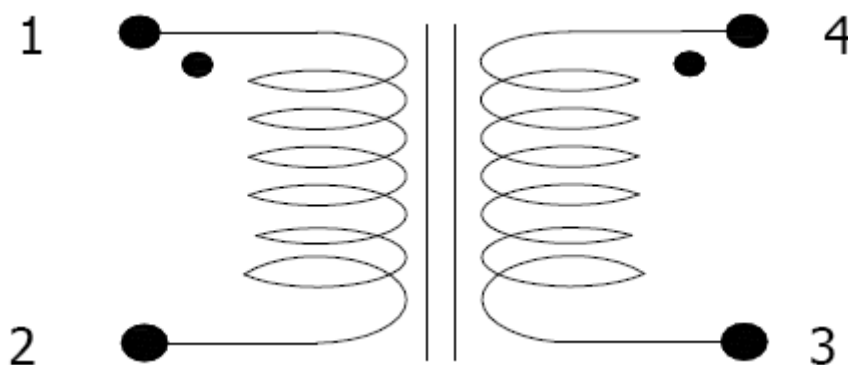
(4) : Style: L- vertical W-horizontal

■ Shapes and Dimensions (Unit: mm)



A Max.	B Max.	C	D	E Max.	F	G
12.0	6.0	5.0±0.5	0.5±0.1	1.5	4.0±1.0	4.0±1.0

■ Schematic Circuit



■ Electrical Specification(at 25℃)

Test Item	Spec	Pin	Test Condition	Test Instruments
L	50uH~130uH	1-2,4-3	1KHz/0.25V R100 Ω	TH-2828
DCR	25mΩ Max	1-2,4-3	25℃	502BC
HI-POT	600VAC	Coils ~ Coils	1mA/3S/50Hz	TH-9320
INSULATION RESISTANCE	100M Ω Min	Coils ~ Core	500VDC	TH-9320

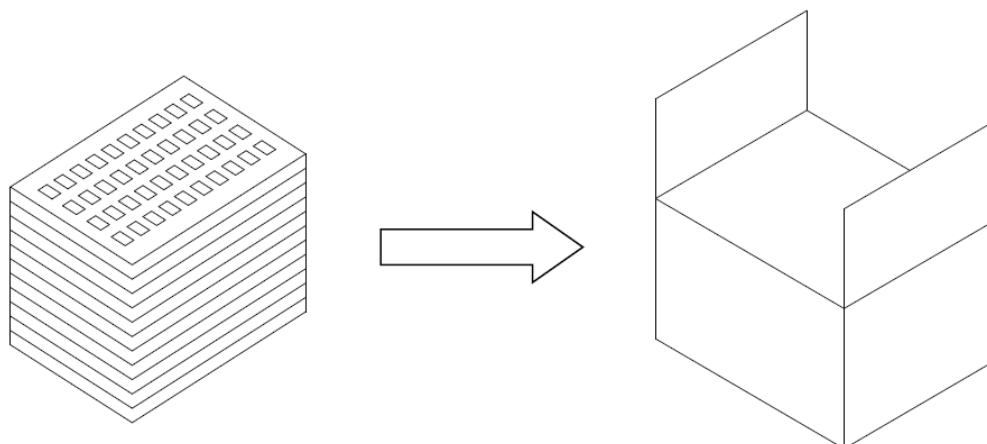
■ Winding Construction

Order	S – F	Wire Size	Turns	Notes
N1	1 – 2	2UEWFΦ0.5×1P golden	10.5 REF	Split winding
N2	4 – 3	2UEWFΦ0.5×1P red	10.5 REF	Split winding

■ Reliability

No.	Item	Material	Vendor	Rating	UL File
1	CORE	T9×5×3C K37	KELI		
		T9×5×3C JZ13A	JIANZHI		
2	WIRE	P1-2:2UEWF Φ0.5mm golden	PROSPERITY	155℃	E196072
		P4-3:2UEWF Φ0.5mm red	PROSPERITY	155℃	E196072
3	VARNISH	DA-700-6	QIANG DA	130℃	E347463
4	SOLDER	SN99.90AA	YUNNAN TIN	N/A	
5	EPOXY	BSA-6201AB Black	FUFAN		

■ Packaging



No.	Packaging Materials	Reference Dimension	Material	Quantity
1	Box(T003)	265×180×15(mm)	PET	120PCS/Box
2	Master Carton	315×210×135(mm)	K36K	15Box/Carton