■ 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

YDTC (1) 90125 (2) — 861 (3) L (4)

(1)： Type

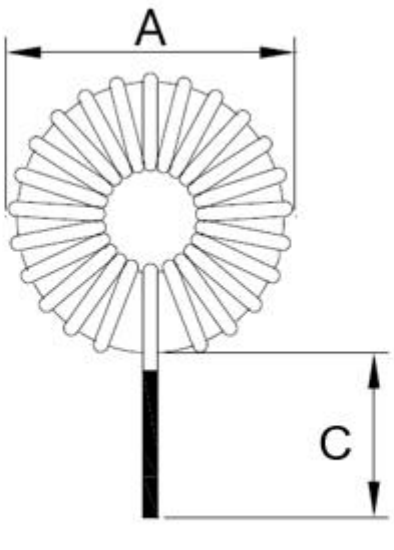
(2)： Dimensions

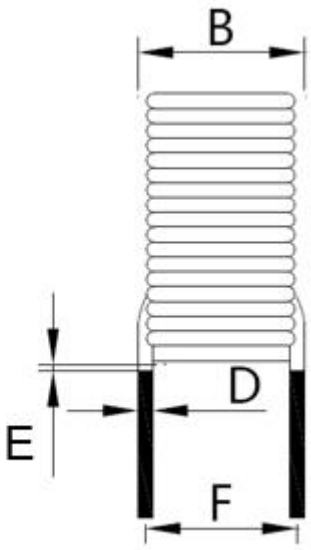
(3)： Inductance value：861=860uH

(4)： Style: L- vertical W-horizontal

■ Shapes and Dimensions (Unit：mm)

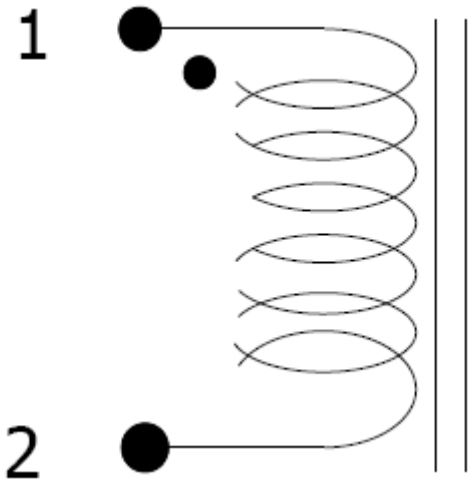






A Max.	B Max.	C	D	E Max.	F Typ.
29.0	16.0	25.0±2.0	0.8±0.1	1.5	14.0

■ Schematic Circuit



■ General Specification

※ Rating DC current:Temperature rise(ΔT) is 40℃ approximately at Irms.

※ Storage temp: -25℃ ~ +125℃,R.H.:30%~70%

※ Operation Temperature:-40℃ ~ +125℃（Including self-heating）.

■ Electrical Specification(at 25℃)

Test Item	Spec	Pin	Test Condition	Test Instruments
L	860uH±20%	1-2	10KHz/0.25V	TH-2828
DCR	150mΩ Max.	1-2	25℃	502BC
Irms	3A Max.	1-2	△T≤40℃	TH2829A+TH1778A

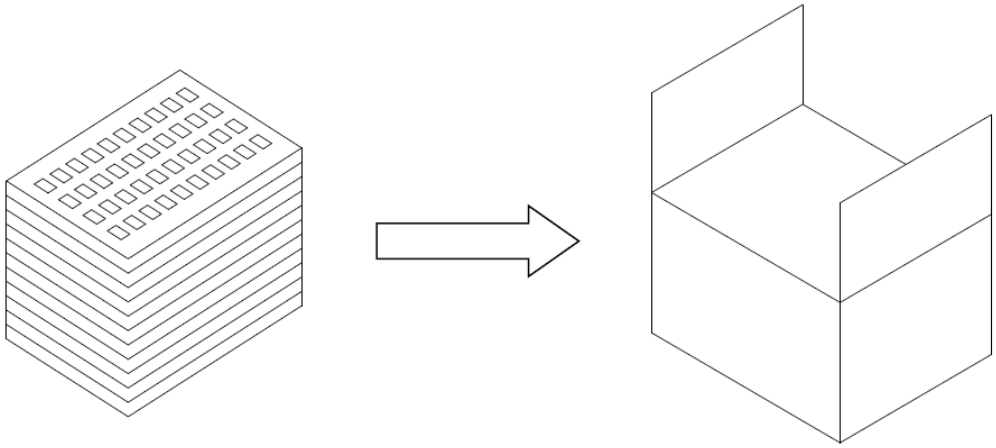
■ Winding Construction

Order	S – F	Wire Size	Turns	Notes
N1	1 – 2	2UEWF Φ0.8×1P	97.5 REF	Split winding

■ Reliability

No.	Item	Material	Vendor	Rating	UL File
1	CORE	S090-125 Iron silicon aluminum Black coating	CHENXING		
		MKS229125 Iron silicon aluminum Black coating	MIRRACK		
2	WIRE	2UEWF Φ0.8	PROSPERITY	155℃	E196072
		1UEWF Φ0.5	PACIFIC	155℃	E201757
3	VARNISH	DA-700-6	QIANG DA	130℃	E347463
4	SOLDER	SN99.90AA	YUNNAN TIN	N/A	

■ Packaging



No.	Packaging Materials	Reference Dimension	Material	Quantity
1	Box(T003)	265×180×15(mm)	PET	32PCS/Box
2	Master Carton	315×210×135(mm)	K36K	10Box/Carton