

## ■ 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

<b>YDTC</b>	<b>90125</b>	—	<b>861</b>	<b>L</b>
(1)	(2)		(3)	(4)

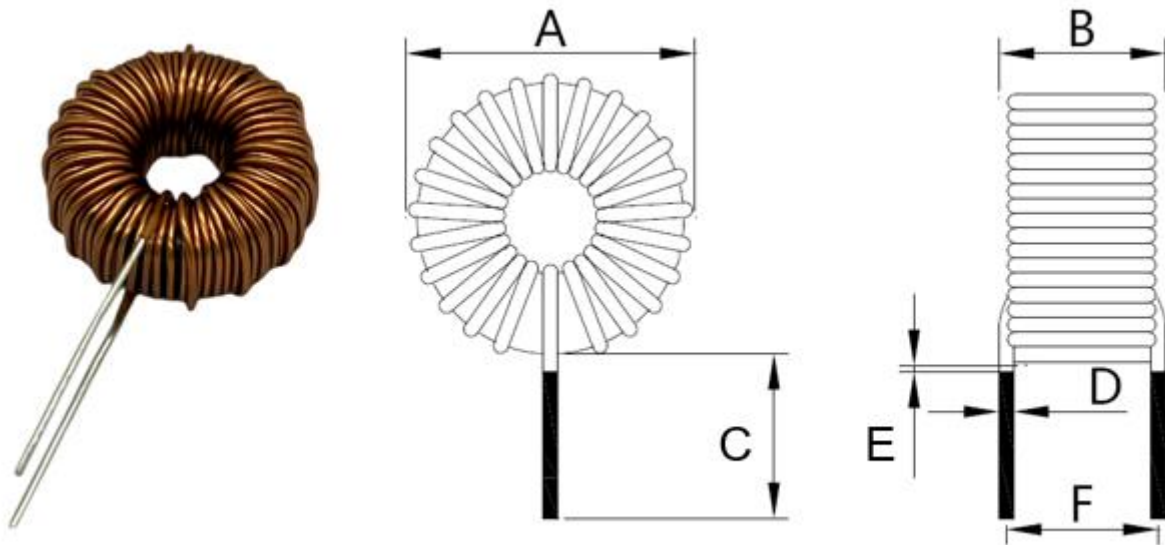
(1) : Type

(2) : Dimensions

(3) : Inductance value: 861=860uH

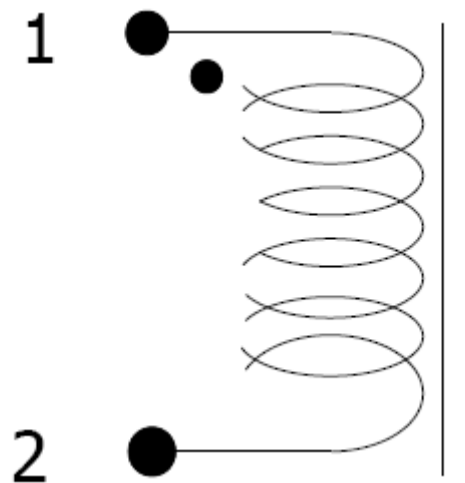
(4) : Style: L- vertical W-horizontal

■ **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( $\Delta T$ ) is 40°C approximately at  $I_{rms}$ .
- ※ Storage temp: -25°C ~ +125°C, R.H.: 30%~70%
- ※ Operation Temperature: -40°C ~ +125°C (Including self-heating) .

## ■ Electrical Specification(at 25°C)

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

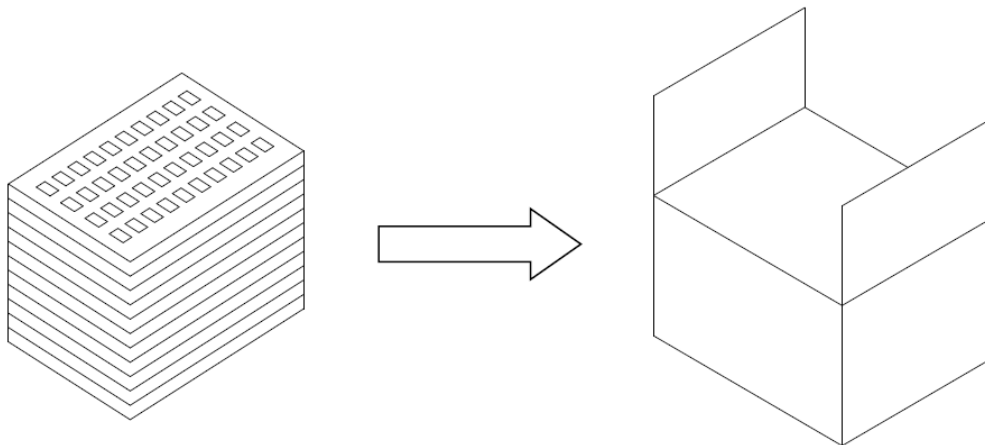
## ■ Winding Construction

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°C	E196072
		1UEWF Φ0.5	PACIFIC	155°C	E201757
3	VARNISH	DA-700-6	QIANG DA	130°C	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