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

YDNPS	184060	—	571	L
(1)	(2)		(3)	(4)

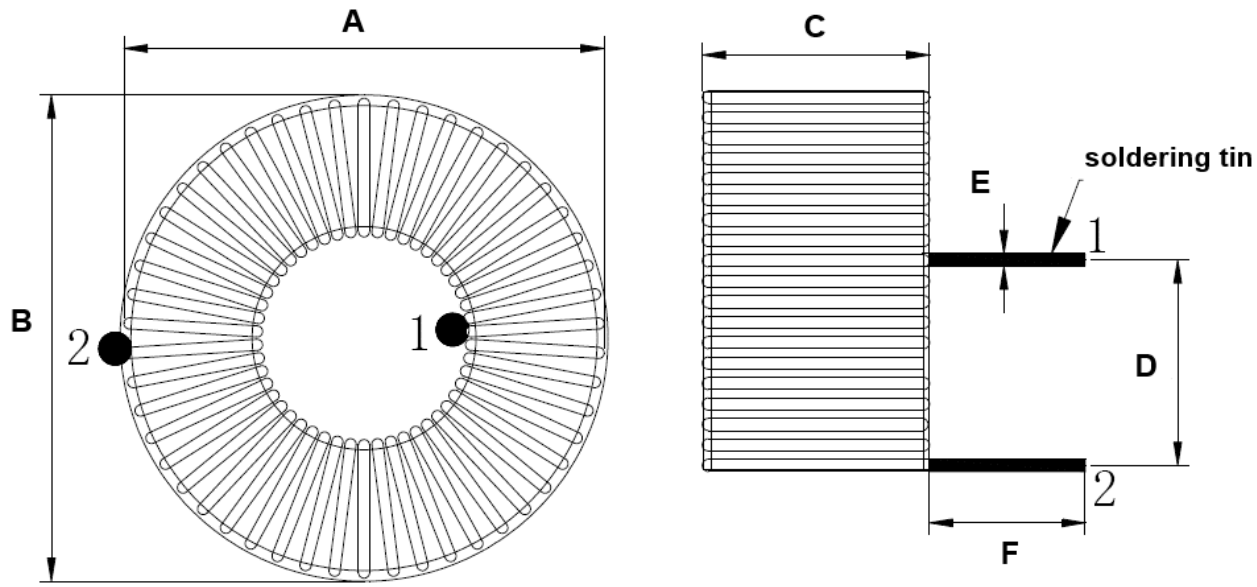
(1)： Type

(2)： Dimensions

(3)： Inductance value：571=570uH

(4)： Style: L- vertical W-horizontal

■ Configration and Dimensions (Unit：mm)



A Max.	B Max.	C Max.	D	E	F
58.0	58.0	32.0	34.0±3.0	2.1±0.2	12.0±1.0

■ Description of key processes and requirements

1, Using NPS184060 magnetic core to form a horizontal shape.

2, The enameled wires should be arranged neatly, symmetrically and evenly distributed, without knots or damage to the paint.

3, Starting from the bottom point of the bottom plane of the inlet and outlet lines 1 and 2, tin plating is 12mm ± 1.0.

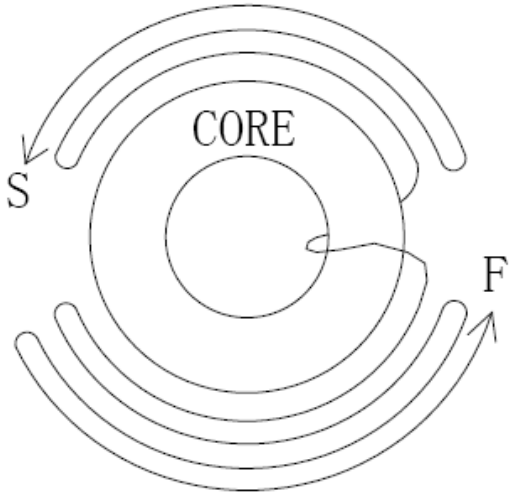
4, PIN distance based on PCB.

5, The product needs to be dipped in paint.

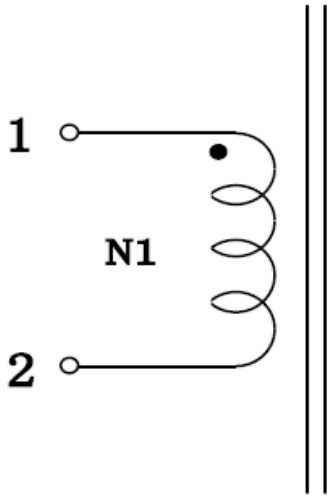
6, The product meets RoHS requirements.

7, The inlet and outlet lines do not need to be fixed with glue.

■ Winding Construction



■ Schematic



■ Winding Order

Setp	Winding	Material	Start-Finish	Turns	Remark
1	N1	QZY-2 2.1Φ×1P	1 – 2	65TS	

■ Electrical Requirements

No.	Measuring Parameter	Measuring PIN	Measuring Value	Measuring Standard	Equipment
1	Inductance	L(1-2)	570uH±10%	1KHz,1.0V,25℃	TH2818XC OR EQUIALENT
2	DCR	R(1-2)	33mΩ Max.	25℃	TH2516B OR EQUIALENT
3	Dielectric strength	Coil – coil	AC 1.0KV	50Hz 1mA,3sec	TH9201B
4	Insulation impedance	Coil – coil	100MΩ Min.	DC500V	TH9201B
5	Ambient Temperature	-40℃ ~ +120℃			
6	Insulation level	Class F			

■ Material List

No.	Item	Type	Manufacture	Spec		Material	UL No.	RoHS
				℃	UL94			
1	Core	NPS184060	Sendust	N/A	N/A	Shenzhen Poco Magnetic co.,Ltd		Y
2	Wire	2.1mm	QZY-X/180 QZY-2/180	180℃	N/A	Dongguan Yida Endustrial co.,Ltd	E344055	Y
						Guangdong Jingda Special Enameled Wire co.,Ltd	E223994	
						Zhejiang Hongbo Technology co.,Ltd	E221719	
						Ningbo Jintian New Material co.,Ltd	E227047	
3	Varnish	/	T-4260(a)	130℃	N/A	Suzhou Taihu Electric Advanced Material co.,Ltd	E228349	Y