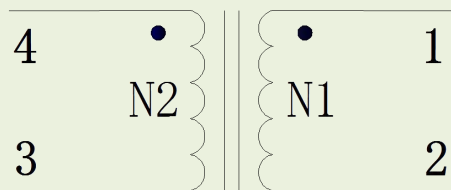


- 产品特点 Product features:
- ◎小体积高衰减 Small volume and high attenuation;
 - ◎电感量可选 Inductance optional
 - ◎额定电流可选 Rated current optional
 - ◎环保产品 Environmental protection products;
 - ◎性能一致性好 Good performance consistency;

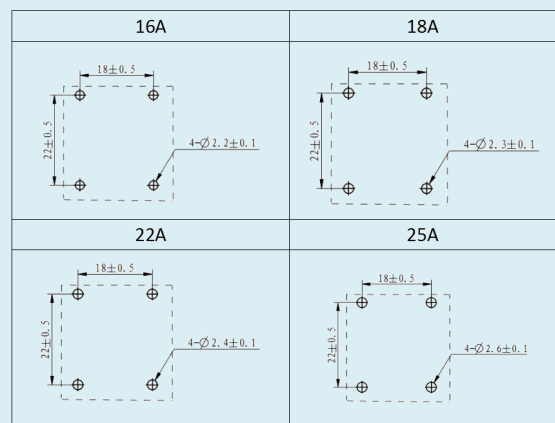
产品基本参数 Basic product parameters

额定电流 Rated current	16A	18A	22A	25A
额定电压 Rated voltage	250VAC	250VAC	250VAC	250VAC
电感量(1KHz 0.3V) Inductance(1KHz 0.3V)	12mH Max.	10mH Max.	8mH Max.	5mH Max.
直流电阻 (20°C) DC resistance	30mΩ Max.	25mΩ Max.	20mΩ Max.	20mΩ Max.
耐压强度 Hi-POT	2000V 3s 1mA	2000V 3s 1mA	2000V 3s 1mA	2000V 3s 1mA
绝缘电阻 insulation resistance	100MΩ Min.	100MΩ Min.	100MΩ Min.	100MΩ Min.
使用温度 Operating Temperature	-25°C~+125°C	-25°C~+125°C	-25°C~+125°C	-25°C~+125°C
推荐脚位 Recommended foot position	18*22mm	18*22mm	18*22mm	18*22mm

电路原理图 The circuit principle diagram



安装孔位图 Installation hole bitmap

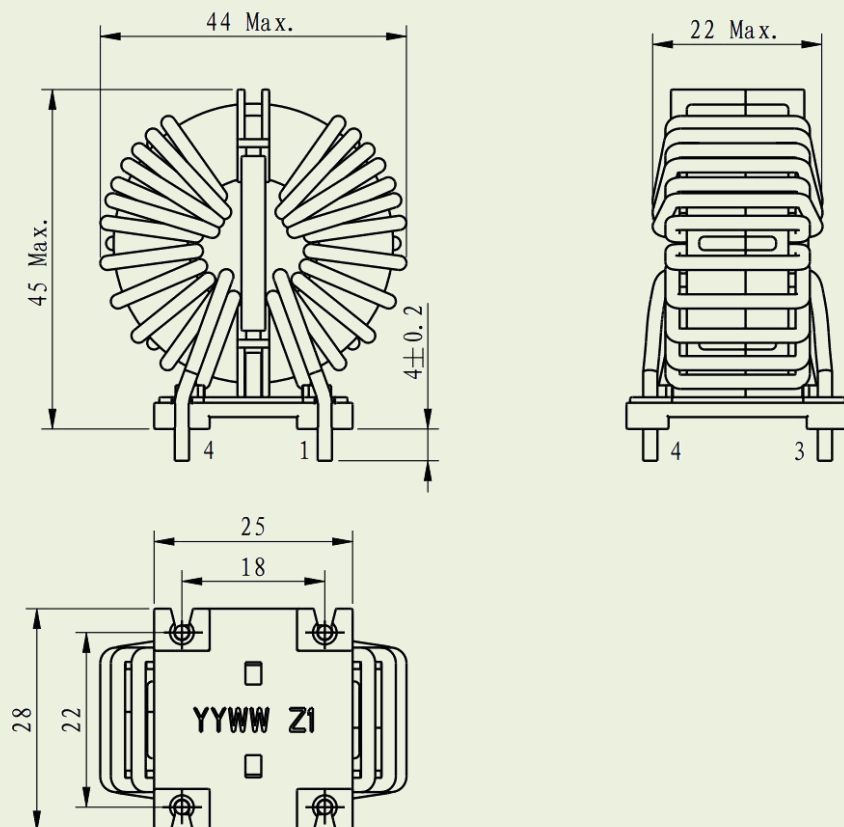


订货标记 Ordering Information

产品型号说明 Nomenclature

SY32TN	-0180	-0250	-001
			流水号 Serial number
			电感值 Inductance value:2.5mH
			额定电流 Rated current:18A
			SY:三友缩写 Sanyou Abbreviation; 32:铁芯外径 Outer diameter of iron core; TN:环形纳米晶 Ring nanocrystal

参考尺寸图 Reference dimension drawing



未标注尺寸公差 Undeclared dimensional tolerance : < 1mm : ±0.2mm

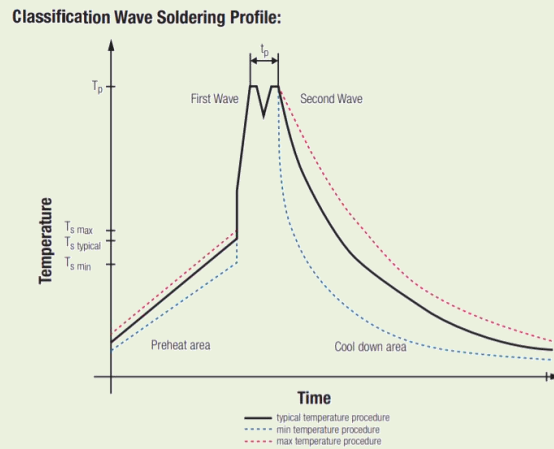
1~5mm : ±0.3mm

> 5mm : ±0.4mm

推荐焊接条件 Recommended welding conditions

1、焊接方式：波峰焊 Welding method: wave soldering;

2、典型焊接曲线 Typical welding curve:



Classification Wave Soldering Profile:

Profile Feature		Pb-Free Assembly
Preheat Temperature Min	$T_{s \text{ min}}$	100 °C
Preheat Temperature Typical	$T_{s \text{ typical}}$	120 °C
Preheat Temperature Max	$T_{s \text{ max}}$	130 °C
Preheat Time t_s from $T_{s \text{ min}}$ to $T_{s \text{ max}}$	t_s	70 seconds
Ramp-up Rate	ΔT	150 °C max.
Peak Temperature	T_p	250 °C - 260 °C
Time of actual peak temperature	t_p	max. 10 seconds max. 5 seconds each wave
Ramp-down Rate, Min		~ 2 K/second
Ramp-down Rate, Typical		~ 3.5 K/second
Ramp-down Rate, Max		~ 5 K/second
Time 25 °C to 25 °C		4 minutes

refer to EN61760-1:2006

声明：本产品规格书仅供客户使用时参考，若有更改，恕不另行通知。

对三友而言，不可能评定电感在每个具体应用领域的所有性能参数要求，因而客户应该根据具体的使用条件选择与之相匹配的产品。若有疑问，请与三友联系获取更多的技术支持。但产品选型责任仅由客户负责。

Statement: This product specification is only for customers' reference. It is subject to change without notice.

For Sanyou, it is impossible to evaluate all the performance parameter requirements of inductance in each specific application field, so customers should select the matching products according to the specific use conditions. If you have any questions, please contact Sanyou for more technical support. However, the customer is only responsible for product selection.