



Differential mode inductance

SY13TF series

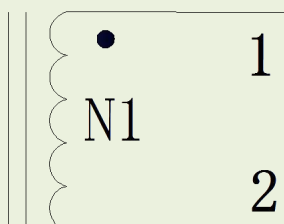
Product Features:

- ◎ Small volume
- ◎ Low diffusion of stray magnetic flux and electromagnetic interference
- ◎ Can provide inductance within a certain range
- ◎ Environmentally friendly

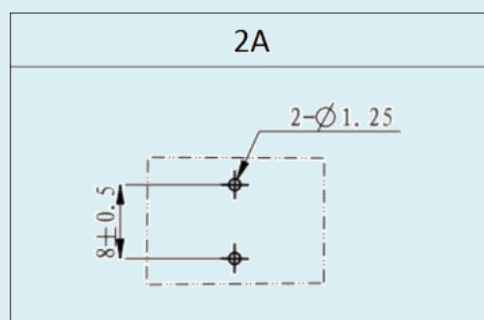
Basic product parameters

Rated current	2A
Rated voltage	250VAC
Inductance(1KHz 0.3V)	0.11mH Min.
DC resistance (20°C)	80mΩ Max.
Hi-POT(VAC)	2000V 3s 1mA
Insulation resistance	100MΩ Min.
Operating temperature	-20°C~+120°C
Recommended distance between pins	8mm

Schematic



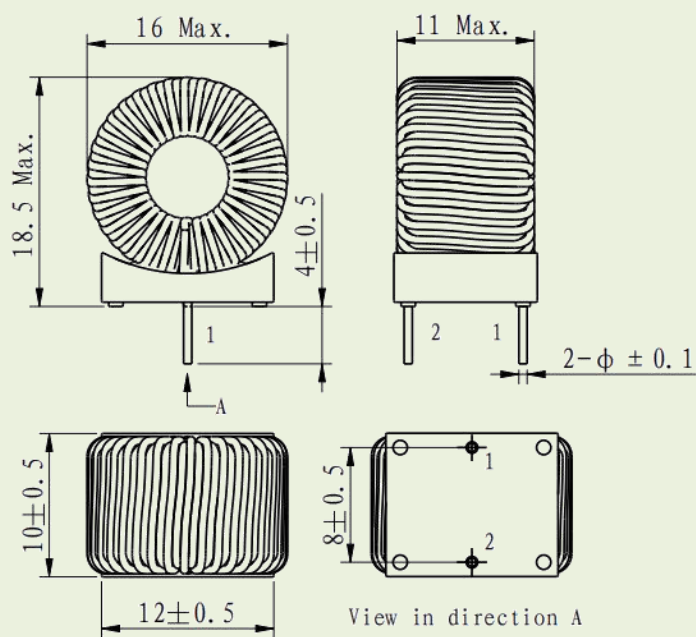
Installation hole bitmap



Ordering Information

Nomenclature			
SY13TF	-0020	-0011	-001
			Serial number
			Inductance value:110μH
			Rated current:2A
			SY:Sanyou abbreviation; 13:Outer diameter of iron core; TF:Ring iron core

Reference dimension drawing

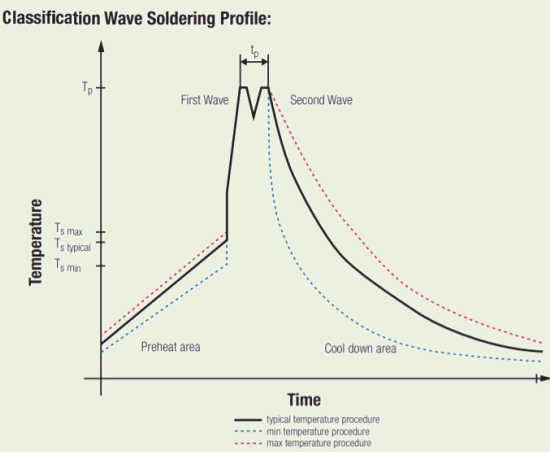


Undeclared dimensional tolerance: < 1mm: ±0.2mm 1~5mm: ±0.3mm > 5mm: ±0.4mm

Recommended welding conditions

1、Welding method: wave soldering;

2、Typical welding curve:



Classification Wave Soldering Profile:

Profile Feature		Pb-Free Assembly
Preheat Temperature Min	$T_{s\ min}$	100 °C
Preheat Temperature Typical	$T_{s\ typical}$	120 °C
Preheat Temperature Max	$T_{s\ max}$	130 °C
Preheat Time t_s from $T_{s\ min}$ to $T_{s\ max}$	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

Disclaimer:

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 responsibility for product selection only rests with the customer.