

HTS25



Detect DC, AC and pulse current, high insulation between primary side and the vice side circuit.

Change the connection mode of primary bus-bar can be converted into three measuring range.

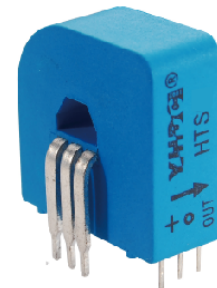
Product application

- Metallurgy
- Welding mahine
- Robot
- Inverter power
- Inverter speed controller
- UPS uninterruptible power supply

Product features

- Light weight
- Low power consumption
- No insertion loss
- Fast response time
- Small size and beautiful appearance
- PCB mounting and easy to use

Product picture printing is for reference only, subject to the actual product



Electrical parameters:the following parameters are typical values, the actual values shall be subject to the actual measurement of the product

| | |
|-------------------------|----------------------|
| Rated input | ±25A |
| Input measurement range | ±37.5A |
| Rated supply voltage | +5V |
| Rated output | 2.5V±0.625V |
| Accuracy | 1% |
| Linearity | 0.1% |
| Current consumption | ≤20mA+I _s |
| Load impedance | ≥10KΩ |
| Zero offset voltage | ≤±15mV |
| Response time | ≤0.5μs |
| Weight | 9g |
| Operation temperature | -25℃~+70℃ |
| Storage temperature | -25℃~+70℃ |
| Band width | DC~150KHz |
| Delectric strength | 3KV 50Hz 1min |

| Primary turns | Rated input (A) | Rated output (V) | Connection way of primary pins |
|---------------|-----------------|------------------|--------------------------------|
| 1 | ±25 | 2.5±0.625 | |
| 2 | ±12 | 2.5±0.625 | |
| 3 | ±8 | 2.5±0.625 | |

Calculation formula: $2.5V \pm 0.625V$

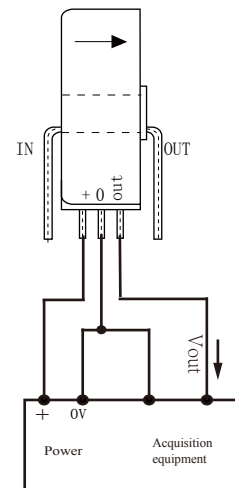
Forward direction: $2.5 + (I/I_{PN}) * 0.625$

Reverse direction: $2.5 - (I/I_{PN}) * 0.625$

I: Actual measured current

I_{PN}: Rated input current

Wiring diagram:



Dimensions(in mm±0.5) :

