

# TA1050 Through core type precision current transformer



## Characteristics:

Epoxy resin encapsulated, mini outline size,  
fully enclosed, beautiful appearance.

## Technical index:

Mounting type: PCB

Material of the core: Nanocrystalline

Flame resistance: UL94-V0

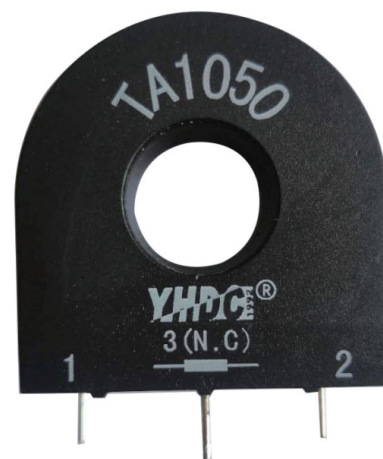
Execution standard: GB20840-2014

Operating temperature:  $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$

Storage temperature:  $-30^{\circ}\text{C} \sim +80^{\circ}\text{C}$

Frequency range: 20Hz-20KHz

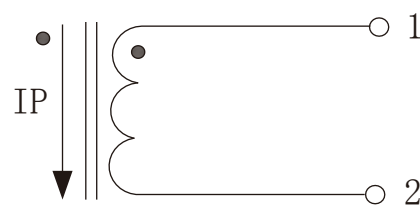
Dielectric strength: 3.5KV 50Hz 1min



**Electrical parameters:** (The following parameters are typical values and actual values will be subject to product testing)

| Model               | TA1050     |    |    |    |     |     |     | Unit     |
|---------------------|------------|----|----|----|-----|-----|-----|----------|
| Rated input         | 40         | 50 | 60 | 80 | 100 | 120 | 150 | A        |
| Rated output        | 40         | 50 | 60 | 80 | 100 | 120 | 150 | mA       |
| Turns ratio         | 1: 1000    |    |    |    |     |     |     |          |
| Linearity           | $\leq 0.3$ |    |    |    |     |     |     | %        |
| Sampling resistance | 100        |    |    |    |     |     |     | $\Omega$ |
| Weight              | 37         |    |    |    |     |     |     | g        |

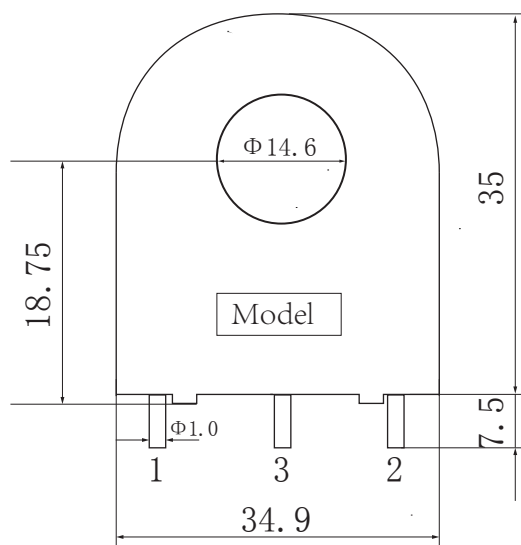
## Schematic diagram:



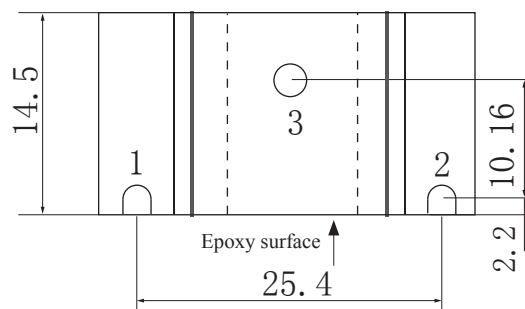
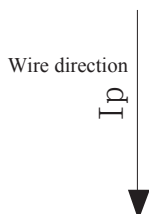
Current output type

The secondary is not allowed to open circuit  
(pin 3 without connection)

## Dimensions (in mm $\pm 0.5$ ):



Front view



Bottom view