NANA ENGINEERING

High Quality **CNC Type Current Sensor**

Bipolar power supply PCB mounting

# Features

Closed Loop Type

RoHS Compliant

Excellent accuracy

Low thermal drift

Fast response time

Excellent linearity

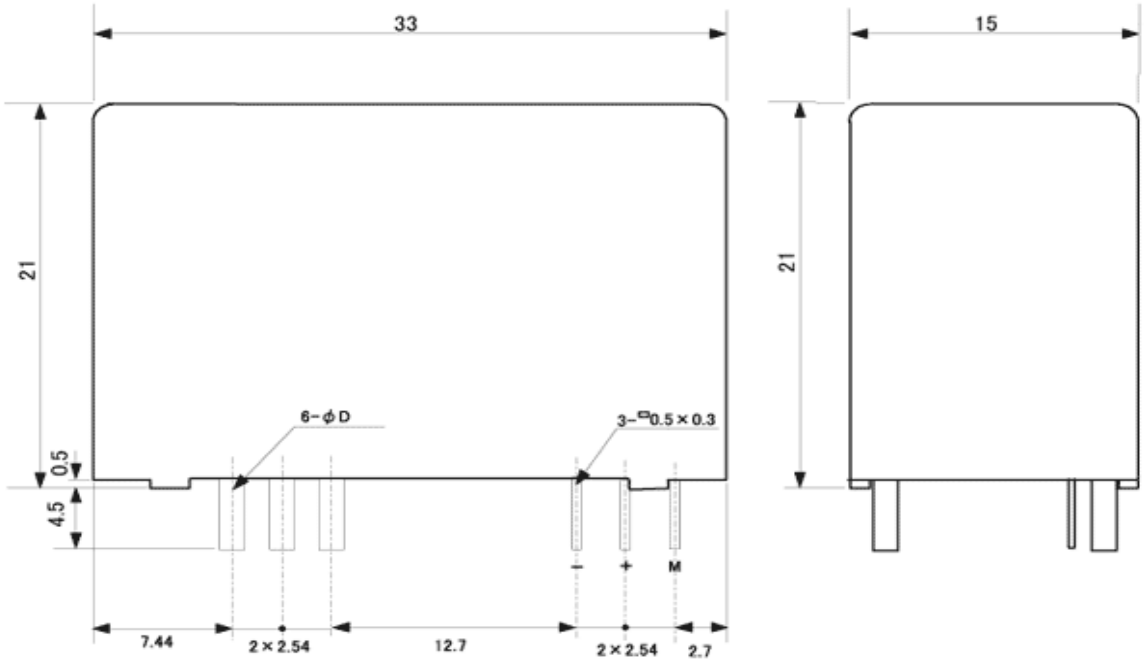
## Specifications

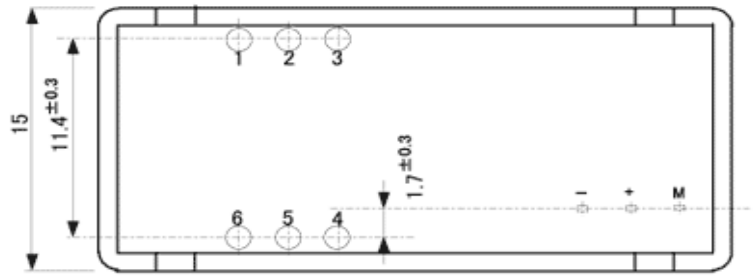
Ta=25℃

| Product name | Code:1601 | | CNC-25 |
|---|---|---|---|
| | Symbol | Unit | |
| Nominal input current | If(n) | A | ±25 |
| Saturation current | If(s) | A | ±60 |
| Nominal Output current | Iout | mA | Io±25 [at If(n)] |
| conversion ratio | | | 1 : 1000 |
| Offset current | Io | mA | 0±0.15 [at 0A] |
| Supply Voltage | Vcc | V DC | ±15±5% |
| Consumption Current | Icc | mA | 10 + Iout |
| Response Speed | Trr | μsec | 1 Max. [at di/dt=If(n)/μsec] |
| Thermal Drift of Vh | | %/℃ | ±0.05 Max. [at If(n)] |
| Thermal Drift of Io | | mA/℃ | ±0.012 Max. [at 0A] |
| Dielectric Strength | | kV | AC 2.5 [with 50 or 60 Hz 1min.] |
| Insulation Resistance | | Ω | 500M Min. [at 500V DC] |
| Operating Temperature | Ta | ℃ | -20 to +75 |
| Storage Temperature | Ts | ℃ | -25 to +85 |
| Hysteresis Error | | mA | ±0.15 Max. [at If --> 0] |
| Secondary coil resistance | | Ω | 58 [at 80℃] |

## Dimensions

Unit : mm

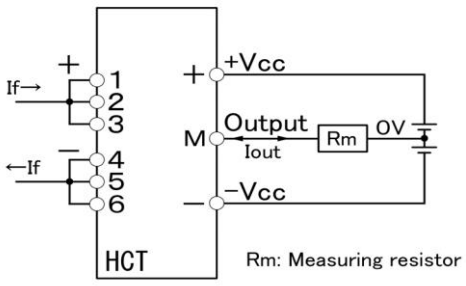


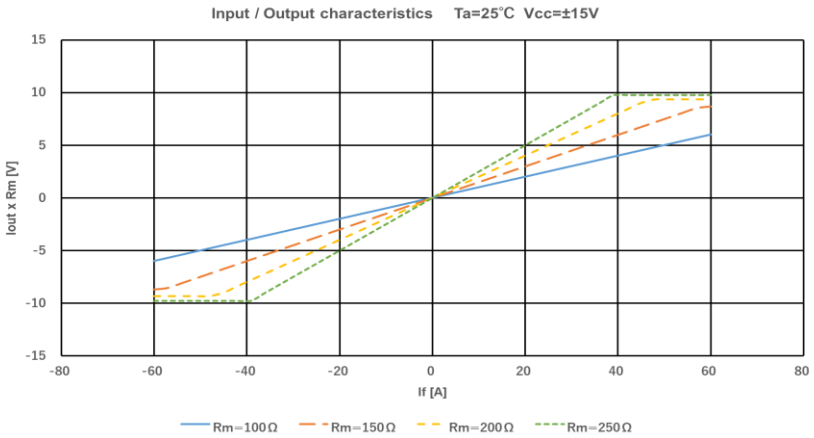




CNC-21010

| Product Name | Mass | Dφ |
|---|---|---|
| CNC-25 | 22g | 1.0 |

## Connection





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*Please read the caution of Closed Loop Type
before using this product.
http://www.nana-e.com/Precautions_for_use_eng.pdf


*The specification (in this catalogue) are subject to minor changes without prior notice.



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