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

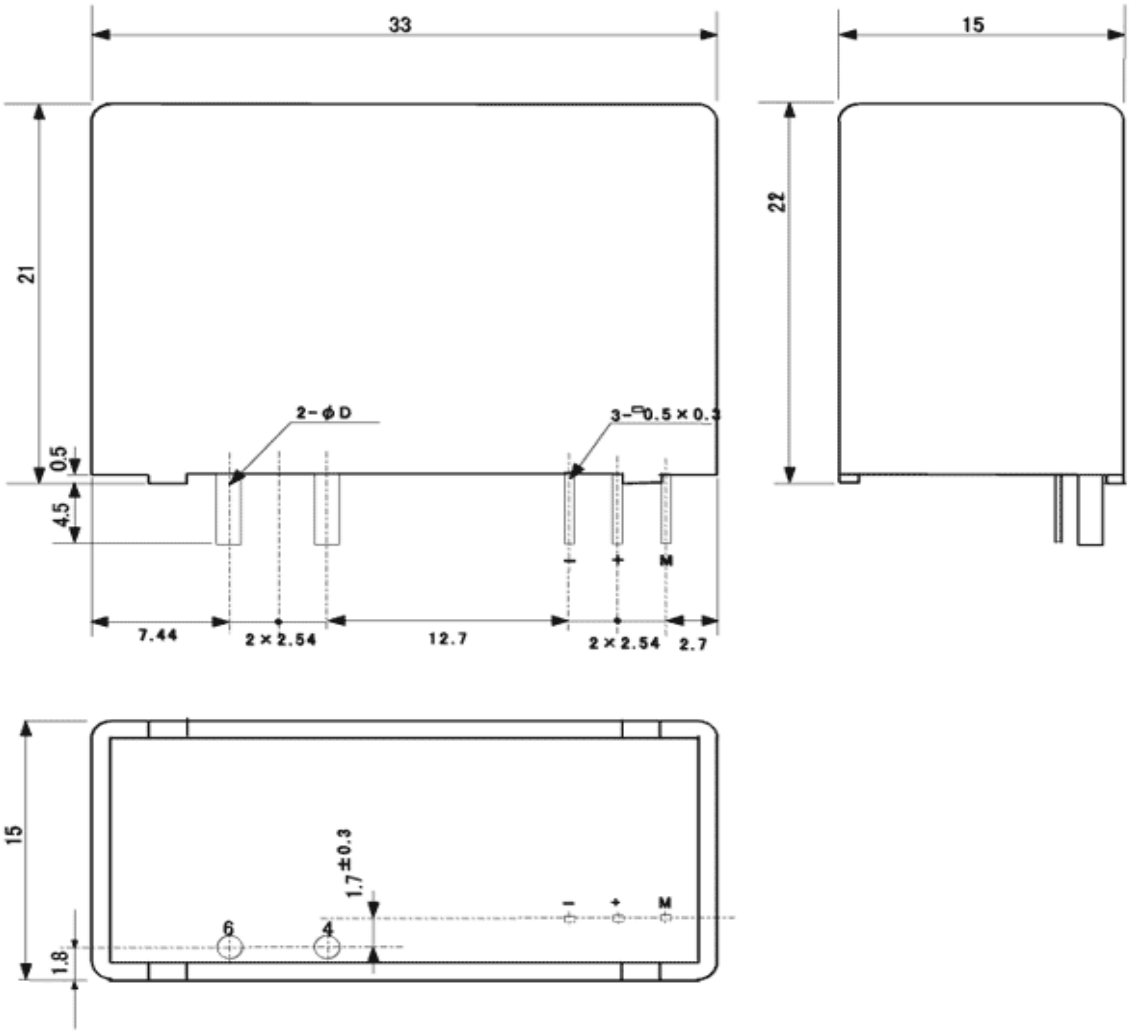
Specifications

Ta=25℃

Product name	Code:1605		CNC-10
	Symbol	Unit	
Nominal input current	If(n)	A	±10
Saturation current	If(s)	A	±23
Nominal Output current	Iout	mA	Io±30 [at If(n)]
conversion ratio			3 : 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

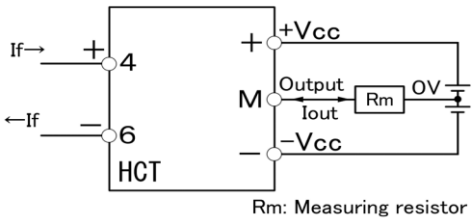
Unit : mm



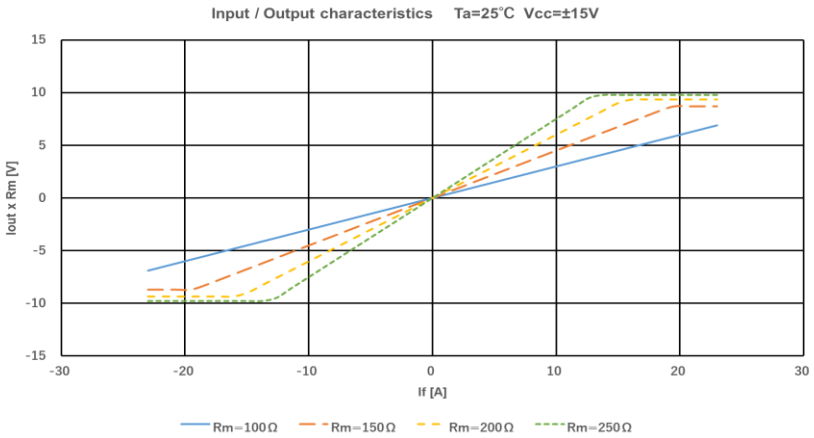
CNC-21009

Product Name	Mass	Dφ
CNC-10	23g	0.8

Connection



Rm: Measuring resistor



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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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