

## Advantages

- Excellent accuracy
- Low thermal drift
- Fast response time
- Excellent linearity

Closed Loop Type



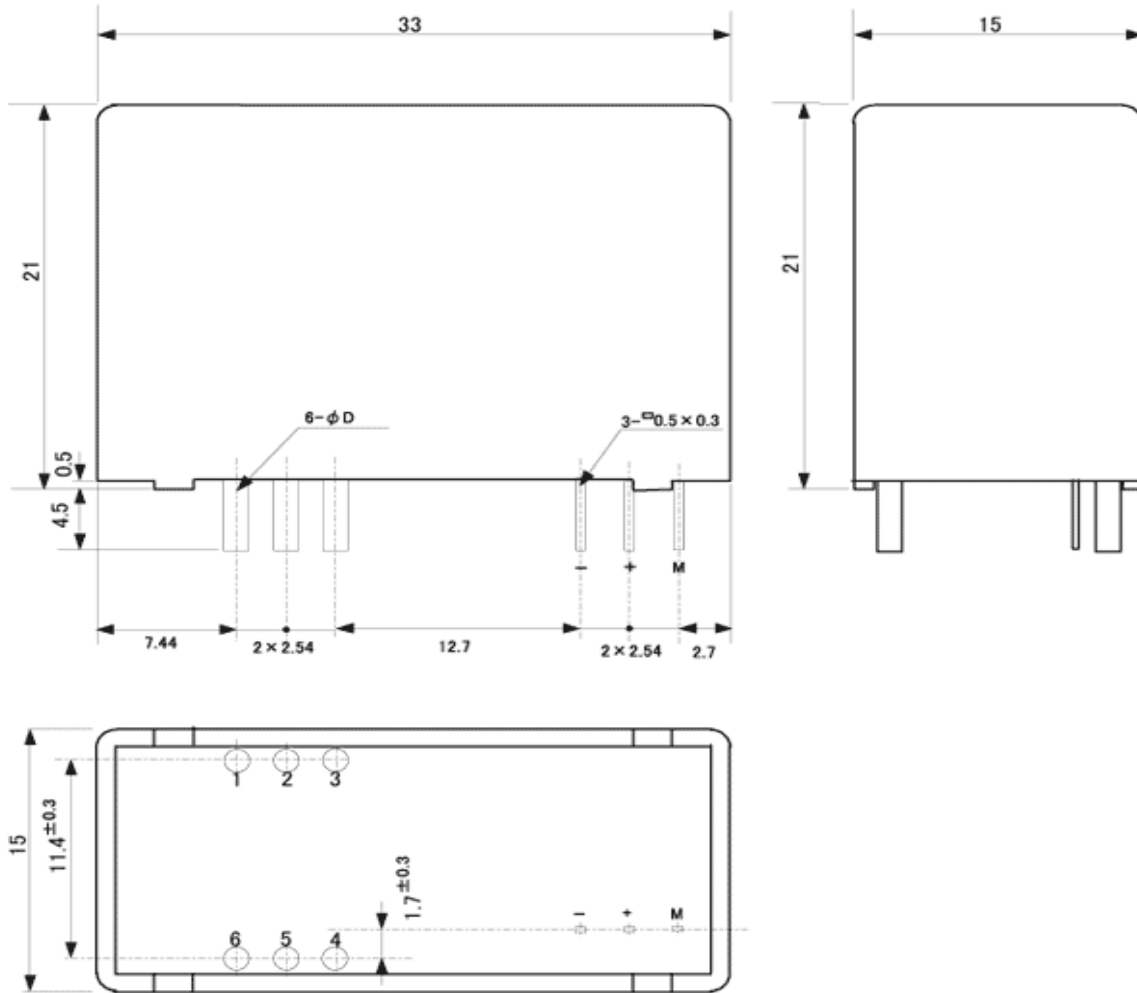
## Specifications

Ta=25°C

Product name	Code:1603		CNC-100
	Symbol	Unit	
Nominal input current	If(n)	A	±100
Saturation current	If(s)	A	±150
Nominal Output current	Iout	mA	Io±50 [at If(n)]
conversion ratio			1 : 2000
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	μ sec	1 Max. [at di/dt=If(n)/μ sec]
Thermal Drift of Vh		%/°C	±0.05 Max. [at If(n)]
Thermal Drift of Io		mA/°C	±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	°C	-20 to +75
Storage Temperature	Ts	°C	-25 to +85
Hysteresis Error		mA	±0.15 Max. [at If --> 0]
Secondary coil resistance		Ω	125 [at 80°C]

# Dimensions

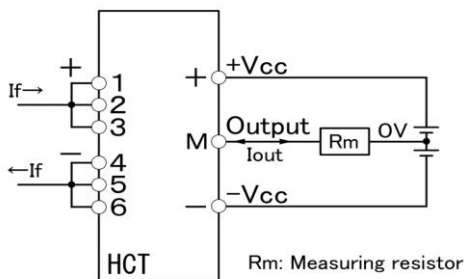
Unit : mm



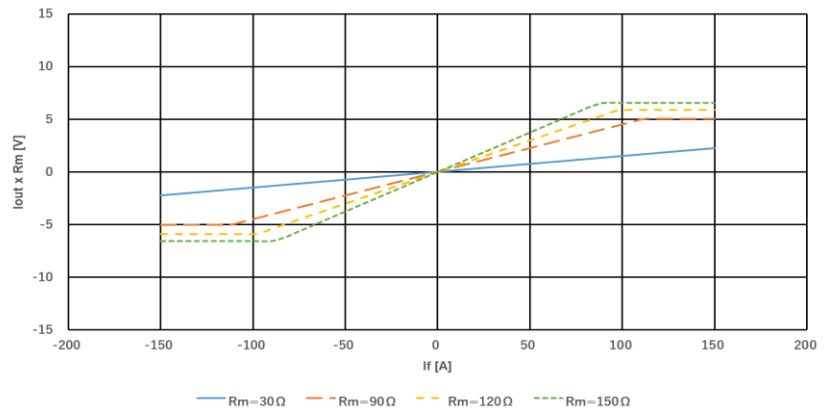
CNC-21010

Product Name	Mass	D φ
CNC-100	25g	1.4

# Connection



Input / Output characteristics Ta=25°C Vcc=±15V



**NANA ENGINEERING** NANA ENGINEERING CO.,LTD.

1-22-5, Morino, Machida-shi, Tokyo 194-0022  
 Machida 310 Irago building 4F  
 E-Mail : nanaeng\_sales@nana-e.com  
 URL : <http://www.nana-e.com>

\*Please read the caution of Closed Loop Type before using this product.  
[http://www.nana-e.com/Precautions\\_for\\_use\\_eng.pdf](http://www.nana-e.com/Precautions_for_use_eng.pdf)