NANA ENGINEERING

High Quality CY2 Type Current Sensor

Bipolar power supply PCB mounting

Features

Compact and lightweight

Low power consumption

Extended measuring range

Low cost

Measurable with DC and AC

Open Loop Type

RoHS Compliant

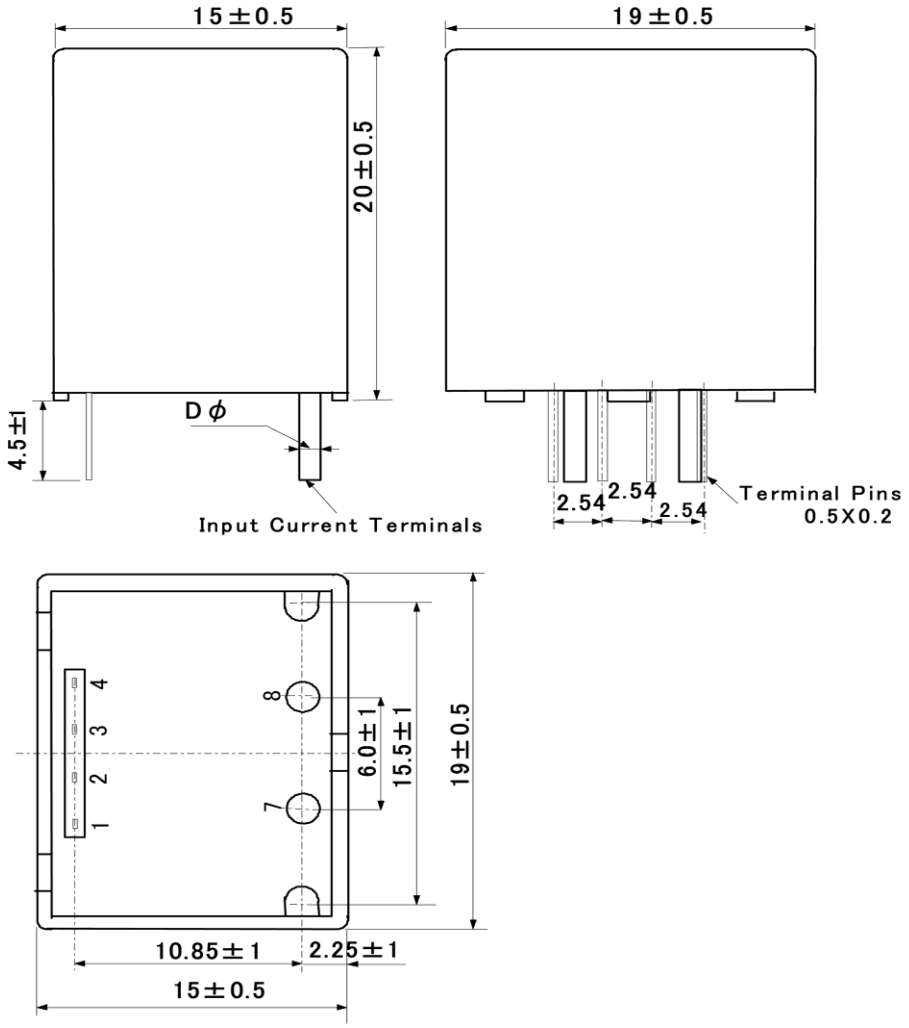
Specifications

Ta=25℃

Product name	Code:1138		CY2-05B
	Symbol	Unit	
Nominal input current	If(n)	A	±5
Saturation current	If(s)	A	±15
Nominal Output Voltage	Vh	V	±4±0.040 [at If(n)]
Load resistance	RL	Ω	10k
Offset Voltage	Vo	V	0±0.040 [at 0A]
Supply Voltage	Vcc	V DC	±15±5%
Consumption Current	Icc	mA	±20 Max.
Response Speed	Trr	μsec	2 Max. [at di/dt=100A/μsec]
Thermal Drift of Vh		%/℃	±0.08 Max. [at If(n)]
Thermal Drift of Vo		mV/℃	±1.5 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 +80
Storage Temperature	Ts	℃	-25 to +85
Hysteresis Error		mV	±30 Max. [at If --> 0]

Dimensions

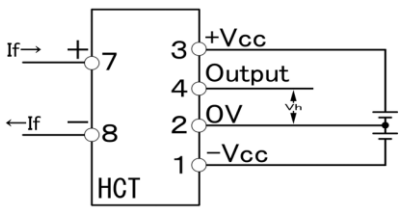
Unit : mm



CY-21013

Product Name	Mass	Dφ
CY2-05B	11g	0.7

Connection



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

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