NANA ENGINEERING

High Quality CYS5-B Type Current Sensor

Unipolar power supply PCB mounting

Features

Compact and lightweight

Low power consumption

Extended measuring range

Low cost

Open Loop Type

RoHS Compliant

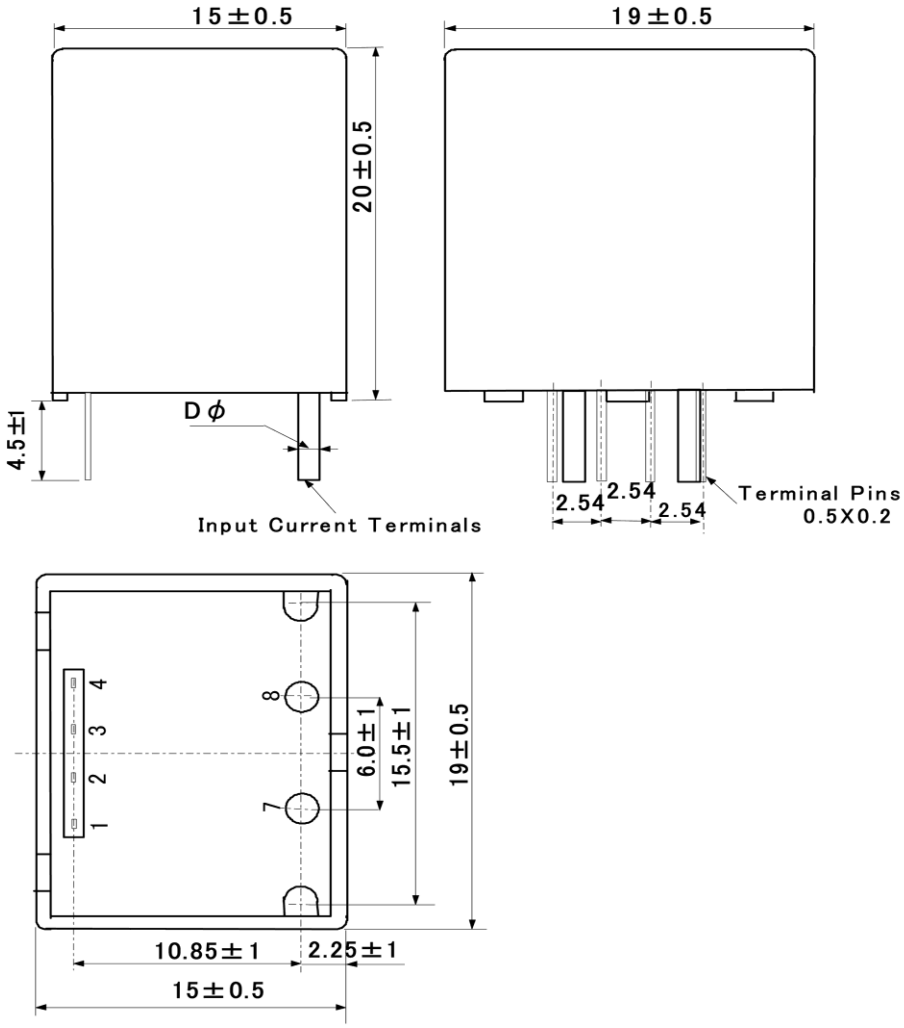
Specifications

Ta=25℃

Product name	Code:1201		CYS5-05B
	Symbol	Unit	
Nominal input current	If(n)	A	±5
Saturation current	If(s)	A	If(n)x3
Nominal Output Voltage	Vh	V	Vo±0.625±0.050 [at If(n)]
Load resistance	RL	Ω	10k
Offset Voltage	Vo	V	2.5±0.050 [at 0A]
Supply Voltage	Vcc	V DC	+5±0.1
Consumption Current	Icc	mA	15 Max.
Response Speed	Trr	μsec	5 Max. [at di/dt=If(n)/μsec]
Thermal Drift of Vh		%/℃	±0.1 Max. [at If(n)]
Thermal Drift of Vo		mV/℃	±2 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	±15 Max. [at If --> 0]

Dimensions

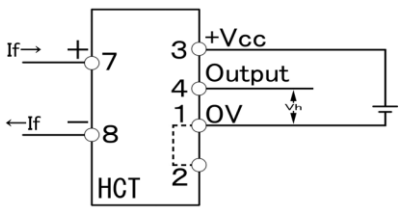
Unit : mm



CY-21013

Product Name	Mass	Dφ
CYS5-05B	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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