NANA ENGINEERING

High Quality CS-USF Type Current Sensor

Bipolar power supply Busbar/Chassis mounting

Features

High reliability

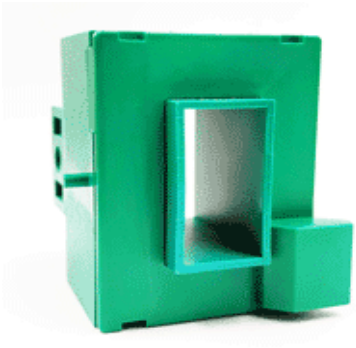
Compact and lightweight

Low power consumption

Extended measuring range

Low cost

Open Loop Type



RoHS Compliant

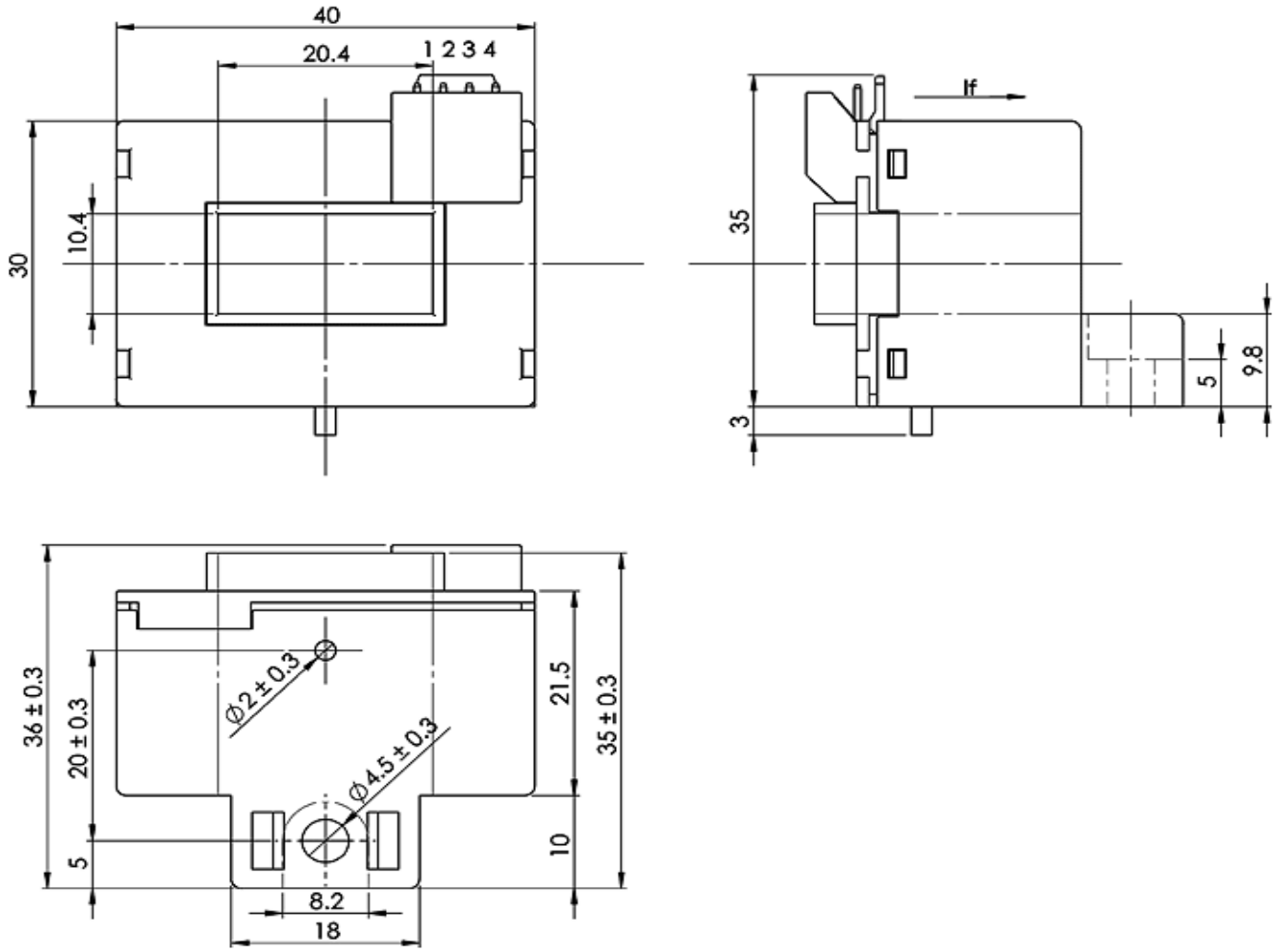
Specifications

Ta=25℃

Product name	Code:1204		CS-05USF
	Symbol	Unit	
Nominal input current	If(n)	AT	±50
Saturation current	If(s)	AT	±150
Nominal Output Voltage	Vh	V	±4±0.040 [at If(n)]
Load resistance	RL	Ω	10k
Offset Voltage	Vo	V	0±0.015 [at 0A]
Supply Voltage	Vcc	V DC	±15±5%
Consumption Current	Icc	mA	±22 Max.
Response Speed	Trr	μsec	5 Max. [at di/dt=If(n)/μsec]
Thermal Drift of Vh		%/℃	±0.12 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	±20 Max. [at If --> 0]

Dimensions

Unit : mm

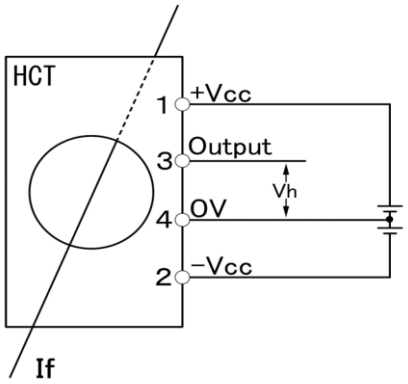


Connector Type[22-12-1042] Maker[Molex]

CSH-21039

Product Name	Mass
CS-05USF	54g

Connection



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

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