NANA ENGINEERING

High Quality CEA-HV Type Current Sensor

Bipolar power supply Chassis mounting

Features

Open Loop Type

RoHS Compliant

High withstand voltage 20kV

For large current

Low power consumption

Extended measuring range

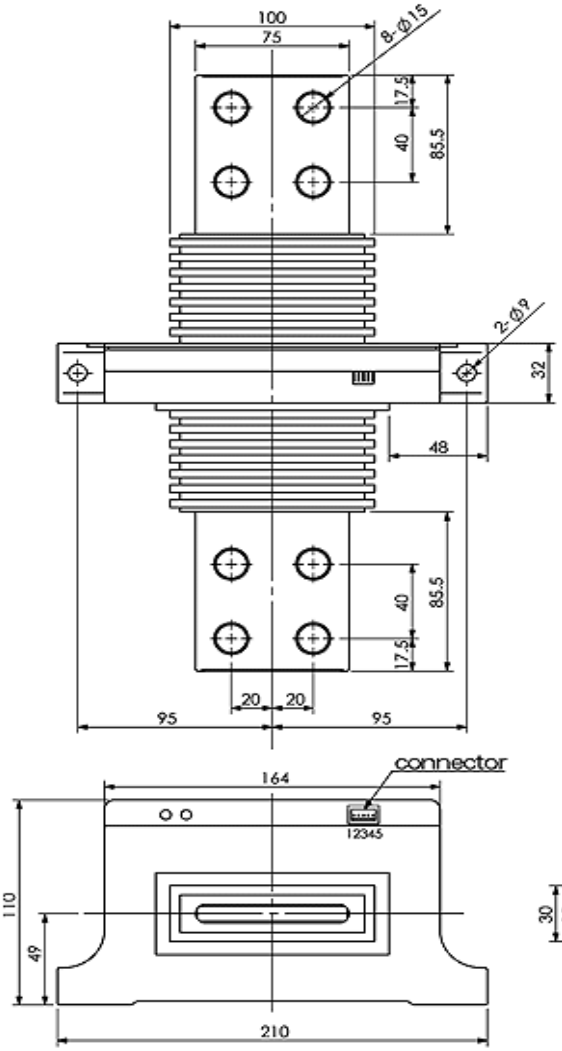
Specifications

Ta=25℃

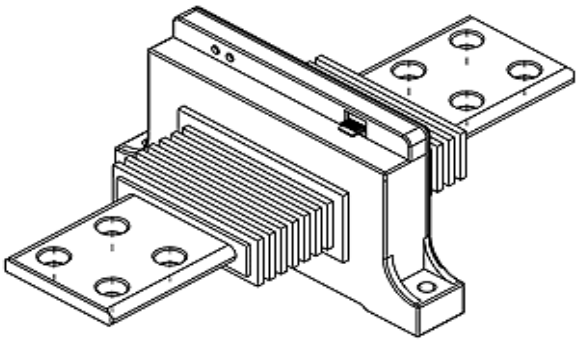
Product name	Code:3003		CEA-2000HV
	Symbol	Unit	
Nominal input current	If(n)	AT	±2000
Saturation current	If(s)	AT	±2200
Nominal Output Voltage	Vh	V	±10±0.100 [at If(n)]
Load resistance	RL	Ω	10k
Offset Voltage	Vo	V	0±0.050 [at 0A]
Supply Voltage	Vcc	V DC	±15±5%
Consumption Current	Icc	mA	±30 Max.
Response Speed	Trr	μsec	25 Max. [at di/dt=100A/μsec]
Thermal Drift of Vh		%/℃	±0.1 Max. [at If(n)]
Thermal Drift of Vo		mV/℃	±2 Max. [at 0A]
Dielectric Strength		kV	AC 20 [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	±70 Max. [at If --> 0]

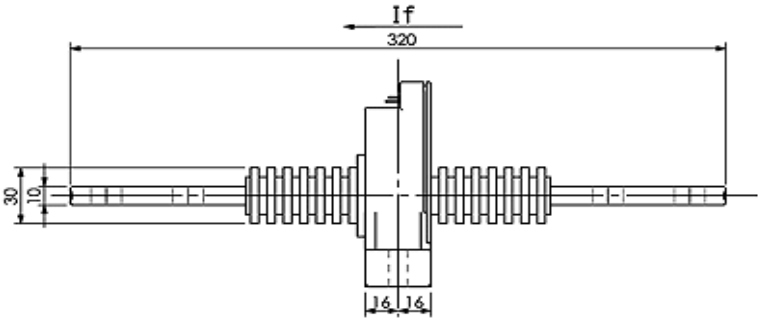
Dimensions

Unit : mm



When installing vertically
Make sure that the connector faces downward.



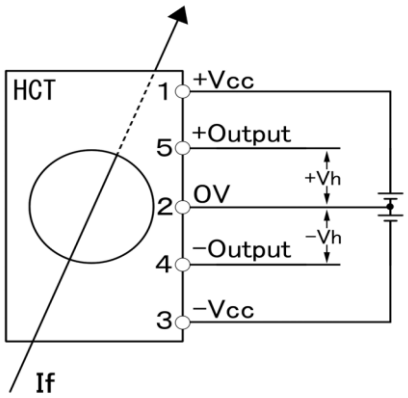


Connector Type[22-11-1051] Maker[Molex]

CEAHV-22003

Product Name	Mass
CEA-2000HV	3910g

Connection



NANA ENGINEERING CO.,LTD.
Machida 310 Irago building 4F
1-22-5 Morino, Machida-shi, Tokyo 194-0022
E-Mail : nanaeng_sales@nana-e.com
URL : http://www.nana-e.com

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

The edition of August 2025