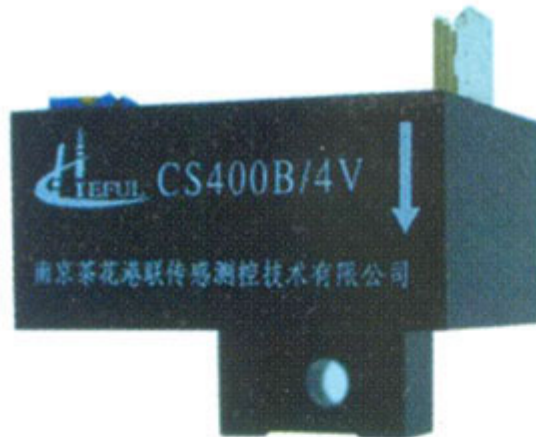
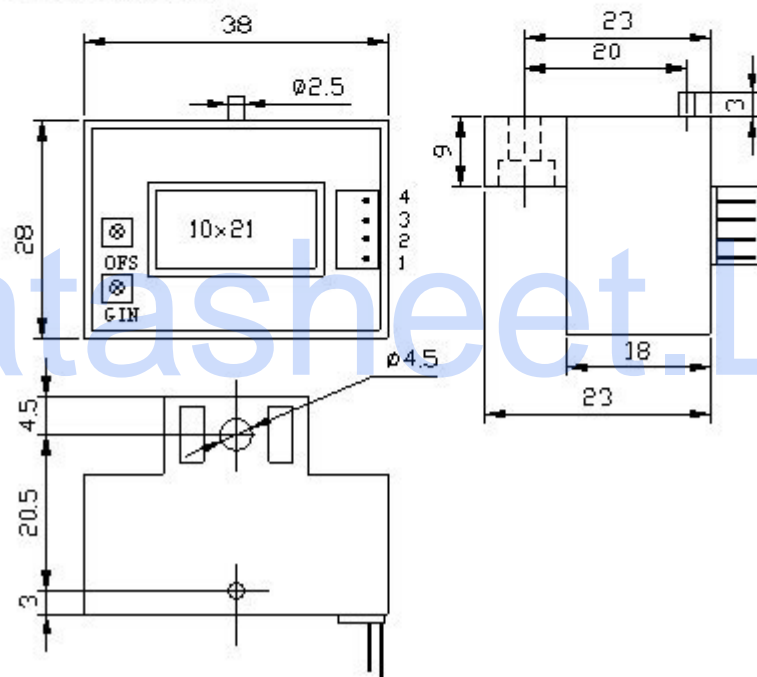


CS500B Hall-Effect Current Sensor Series



Outline Drawing (mm):



Product Information

Introduction: CS500B Series is a new generation of open-loop current sensor based on the principle of Hall effect. It is applicable for the measuring of DC, AC, pulse and complex waveform current with galvanic isolation.

Electric

CS050B CS100B CS200B CS300B CS400B

Parameters: CS500B

IPN	Nominal Input Current	50	100	200	300	400	500	A
IP	Measurement Range of Input Current	100	200	400	600	700	700	A
VSN	Nominal Output Voltage					4		V
VC	Supply Voltage				$\pm 12 \sim \pm 15$			DC V
IC	Current Consumption				20			mA

	Vd Insulation Voltage	2.5 KV AC/50Hz/1min	
Parameters on EI	Linearity	± 1	%FS
Dynamic	V0 Offset Voltage	± 30	mV
Performance :	VOM Magnetic Offset Voltage (IPN 0)	± 20	mV
	VOT Offset Voltage Warm-up Drift	± 1	mV/
	°C		
	Tr Response Time	≤ 7	μ
	s		
	F Bandwidth (-3dB)	DC~20	KHz
General	TA Operation Temperature	- 10~+70	°C
Parameters:	TS Storage Temperature	- 25~+85	°C
	TS Load Resistance	≥ 10	K
	Ω		

External Structure: 1: +15V 2: -15V 3: V0 4: Ground OFS: Zero Regulation GIN: Amplitude Regulation

Please refer to the picture above for detailed parameters

Features: Insulation between input and output

Competitive quality/price rate

No insertion losses

Easy installation

Small and light

Applications: Overload protection

Current Monitoring

UPS, Switching Power Supplies

Energy Management System