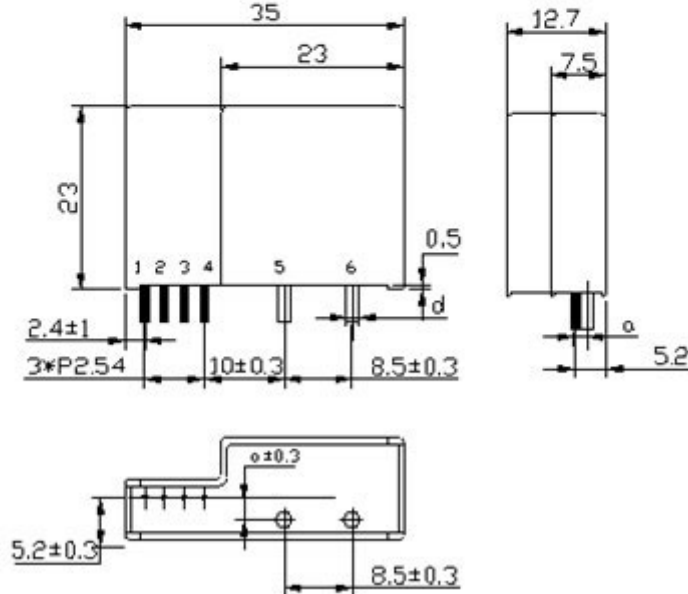


CS050LX Hall-Effect Current Sensor Series



Outline Drawing (mm):



Product Information

Introduction: CS050LX 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 Parameters: HLX-05ATE HLX-10ATE HLX-15ATE HLX-20ATE HLX-25ATE HLX-30ATE HLX-37.5ATE HDC-50ATE

IPN Nominal Input Current	5	10	15	20	25	30	37.5	50	A	
IP Measurement Range of Input Current				13	25	38	50	63	75	95 125 A
VSN Nominal Output Voltage				4				V		
VC Supply Voltage				±12	~	±15V		DC	V	
Ic Current Consumption								10		mA
Vd Insulation Voltage				2	KV/50Hz/1min					
Insulating Strength				500MΩ	Min at 500V DC					

Parameters on Dynamic	Linearity	±1	%FS
Performance	V0 Residual Voltage	±40	mV
	VOM Hysteresis Error (IPN 0)	±20	mV
	VOT Offset Voltage Warm-up Drift	±1.5	mV/°C
	Tr Response Time	≤3	μs
	F Bandwidth (-3dB)	DC~20	KHz

General Parameters:	TA Operation Temperature	-10~+80	°C
	TS Storage Temperature	-15~+85	°C
	RL Load Resistance	≥10	KΩ

External Structure: 1: +15V 2: -15V 3: V0 4: Ground 5: Current Input 6: Current Output
Please refer to the picture above for detailed parameters

Features: Interference resistant
Convenient PCB installation
Small, low energy consumption
Low warm-up drift, broad bandwidth
Competitive quality/price rate

Applications: AC Frequency Conversion, Servo Motors
Current Monitoring of Electric Welders
UPS Switching Power Supplies

Power, Cooling, and Control Systems
Automatic Control System
Power Management System