

Hall sensors SH series

Features

- Low cost
- Indium Antimonide
- Very high sensitivity
- Low current requirement
- Choice of mounting configuration

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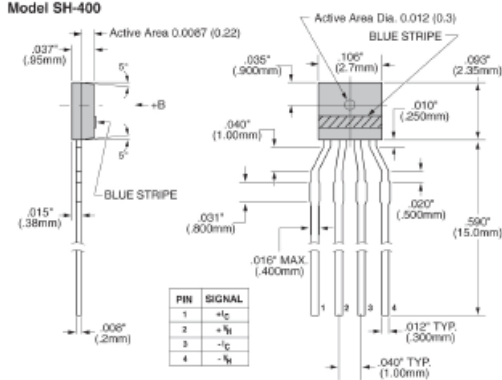
www.meggitt.com

www.fwbell.com

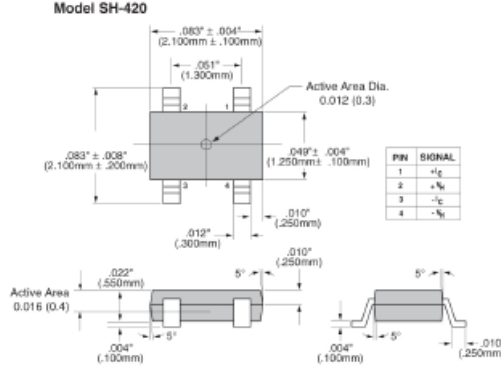
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The SH series Hall effect sensors are four terminal Indium Antimonide devices that are extremely sensitive to low magnetic fields. These devices produce an output voltage, V_h , proportional to the product of the input current, I_c , and the magnetic flux density, B .

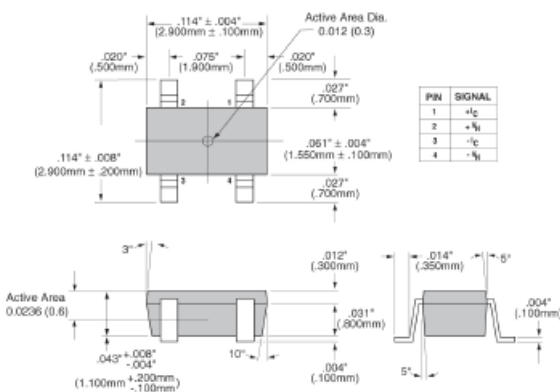
Model SH-400



Model SH-420



Model SH-410



Meggitt Sensing Systems

Our product competencies and services:
 Avionics displays | Inertial sensors | Ignition systems | Performance Sensing | Power & Motion | Sensing & Monitoring



Hall sensors

SH series

Specifications

Model:	SH-400	SH-410	SH-420
Input resistance	240 to 550 ohms	240 to 550 ohms	240 to 550 ohms
Output resistance	240 to 550 ohms	240 to 550 ohms	240 to 550 ohms
Magnetic sensitivity	292 to 1120 mV / kG	290 to 1760 mV / kG	100 to 330 mV / kG
Maximum resistive residual voltage	20 mV	20 mV	16 mV
Maximum control current, static air	20 mA	20 mA	20 mA
Nominal control current	5 mA	5 mA	5 mA
Mean temperature coefficient of V_H	-1.8 %/°C	-1.8 %/°C	-1.8 %/°C
Mean temperature coefficient of resistance	-1.8 %/°C	-1.8 %/°C	-1.8 %/°C
Operating temperature	-40 to 125 °C	-40 to 125 °C	-40 to 125 °C
Storage temperature	-40 to 150 °C	-40 to 150 °C	-40 to 150 °C

Note: Due to continuous process improvement, specifications are subject to change without notice.