

Linear Hall Effect Sensor IC

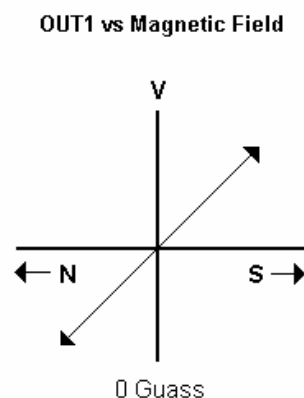
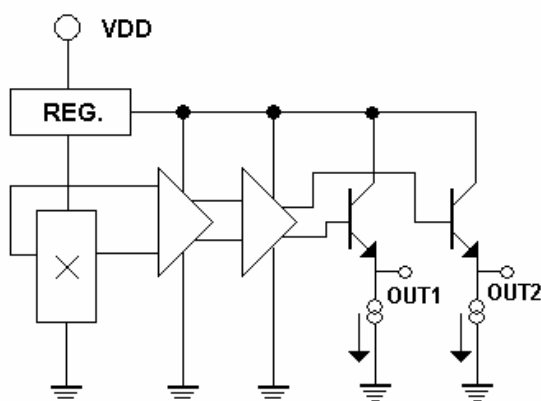
Features:

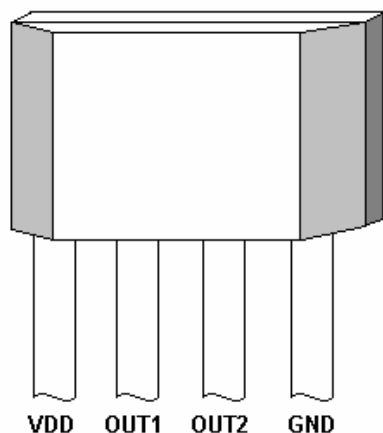
- Wide operating range 2.2~12V, -20°C~100°C
- Flat Response to 16kHz
- Low operating current 3mA
- High Sensitivity on different supplied voltage
Sensitivity: 10mV/Guass (Differential output) on 3V
Sensitivity: 20mV/Guass (Differential output) on 5V
- Two package styles TO-94/SOT-25 available.

Functional Description :

The W201 integrates Hall sensing element, linear amplifier, sensitivity controller and emitter follower output stage. It accurately tracks extremely small change in magnetic flux density –generally too small to operate Hall effect switch.

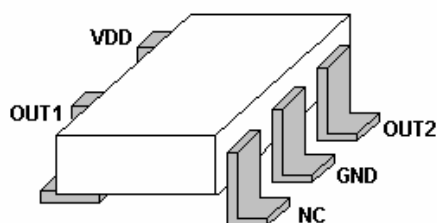
W201 can be applied as current sensor, tooth sensor, proximity detectors and motion detectors. As sensitive monitor of magnetic flux, it can effectively measure a system's performance with negligible system loading while providing isolation from contaminated and electrically noisy environments.





ABSOLUTE MAXIMUM RATING

Supply Voltage, Vdd	14V
Magnetic Flux Density, B	Unlimited
Output Driving Current, Iout	5mA
Operating Temperature Range	
Ta	-20°C to +100°C
Storage Temperature Range	
Ts	-65°C to +150°C
Power Dissipation Pd	
TO-94	450mW
SOT-25	350mW

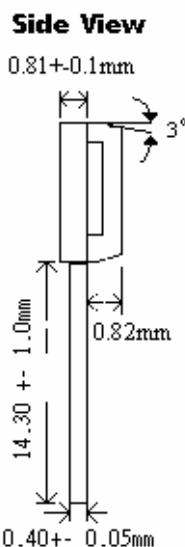
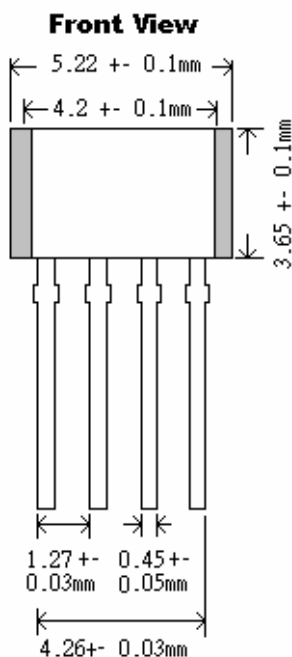
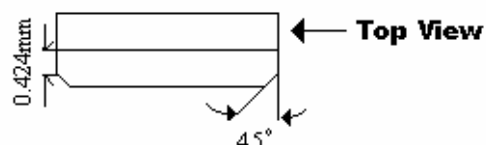


ORDER INFORMATION

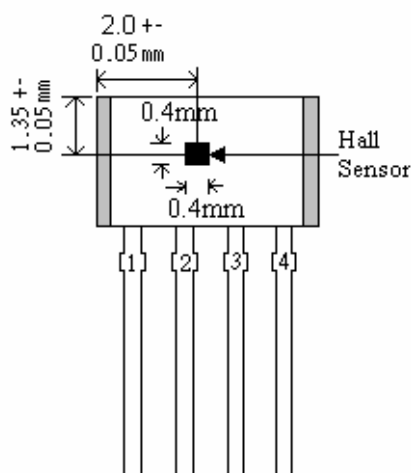
WSH201-XPAN	TO-94
WSH201-XPDN	SOT-25

Package Information:

TO94:

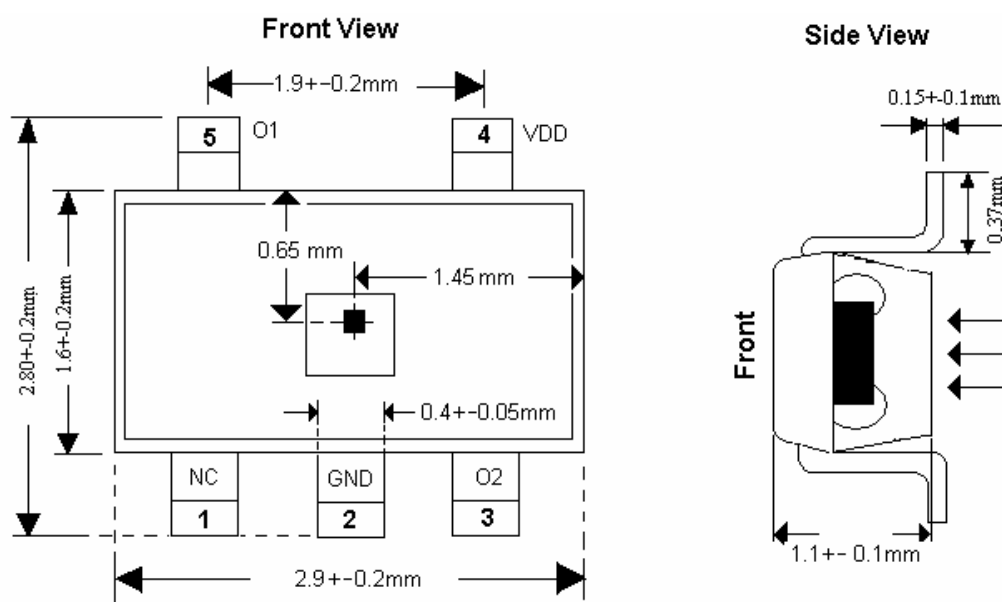


Hall Sensor Location



Winson reserves the right to make changes to improve reliability or manufacturability.

SOT-25:



Winson reserves the right to make changes to improve reliability or manufacturability.