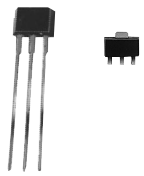
Honeywell

Interactive Catalog Replaces Catalog Pages

Honeywell Sensing and Control has replaced the PDF product catalog with the new Interactive Catalog. The Interactive Catalog is a power search tool that makes it easier to find product information. It includes more installation, application, and technical information than ever before.

Click this icon to try the new Interactive Catalog.

Sensing and Control
Honeywell Inc.
11 West Spring Street
Freeport, Illinois 61032



FEATURES

- 4 to 10 VDC supply voltage
- High output current capability – 10 mA continuous, 20 mA max.
- Ratiometric output
- Low supply current – 4 mA typ., for battery operation (@ 5V)
- Very small, industry accepted packages
- Available on tape and reel for automated assembly
- Responds to North or South pole
- Linear output voltage over wide magnetic flux range
- Best for applications with narrow temperature fluctuation

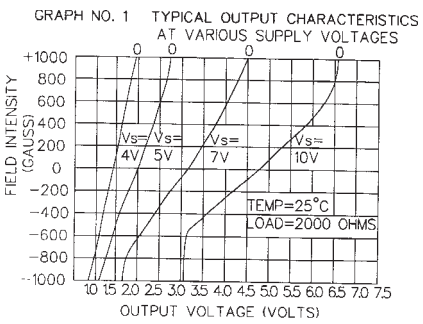
ORDER GUIDE

Catalog Listing	SS49/SS19/SS19T
Supply Voltage	4 to 10 VDC
Supply Current	4 mA typ.
Output Type	Sourcing
Output Voltage @ 0 Gauss	1.75 to 2.25 V @ 5 V, 25°C
Sensitivity (measured between –400 and +400 gauss)	0.60 to 1.25 mV/ gauss

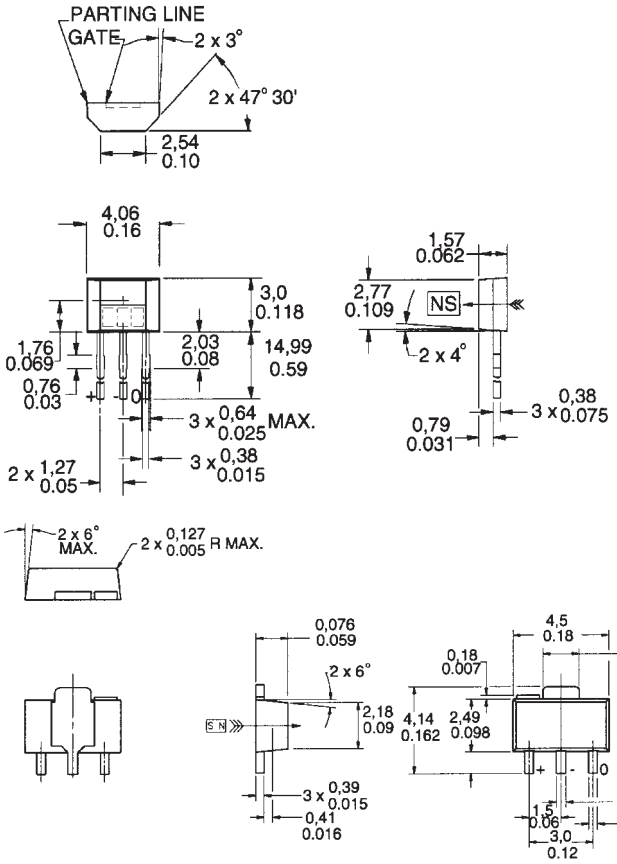
TYPICAL LINEAR OUTPUT CHARACTERISTICS*

Graph #1

This graph displays the relationship between supply voltage and the combined effects of a change in sensitivity (gain) and null voltage output at room temperature. The sensitivity variation is represented by a change in the slope of the curve. The null voltage shifts the entire curve.



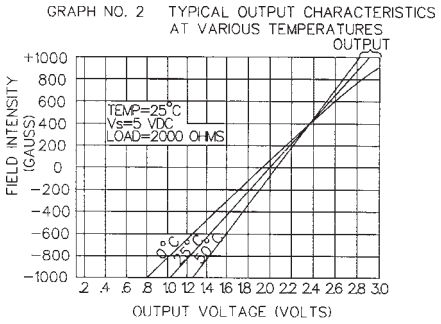
MOUNTING DIMENSIONS (For reference only)



Note: The SS19 is also available on tape and reel. Dimensions page 13.

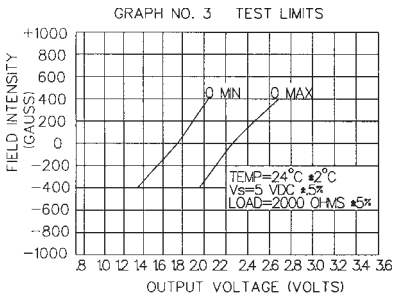
Graph #2

At 5 VDC supply voltage, these curves represent the typical performance of the SS49/SS19 over temperature.



Graph #3

This graph indicates the conditions under which we test the SS49/SS19, and defines the limits of the product. These limits do not take temperature or supply voltage variations into account.



* Illustrated characteristics are typical. Production lot sensor characteristics will be in the general range of those shown.

Analog