

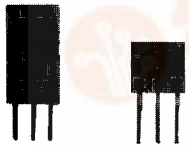
Solid State Sensors

Analog Position Sensors

查询SS89A1供应商

捷多邦, 专业PCB打样工厂, 24小时加急出货

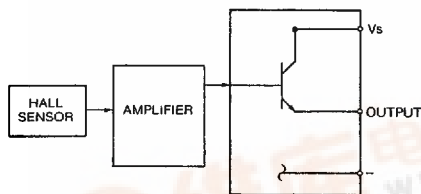
9SS/SS89 Series



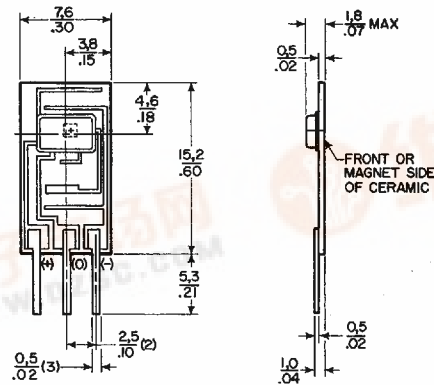
FEATURES

- 9SS – single current sourcing output
- SS89 – single current sinking or current sourcing output
- Three-pin in-line printed circuit board terminals
- Standard .100" mounting centers
- Laser trimmed thin film and thick film resistors minimize sensitivity variations and compensate for temperature variations

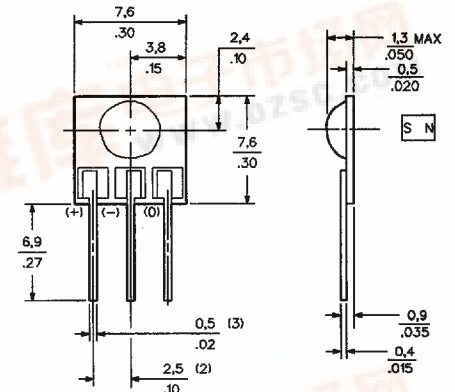
BLOCK DIAGRAM 91SS12-2



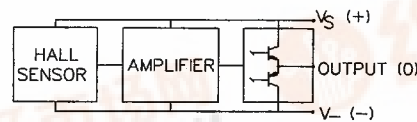
9SS MOUNTING DIMENSIONS (for reference only)



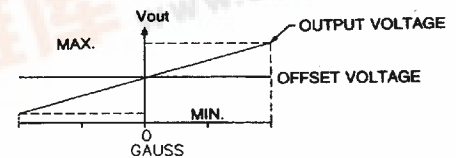
SS89 MOUNTING DIMENSIONS (for reference only)



SS89A1



TRANSFER CHARACTERISTICS



ORDER GUIDE

Catalog Listings	91SS12-2	SS89A1
Supply Voltage (VDC)	8 to 16 Performance @ 12 VDC	5.4 to 13.2 Performance @ 8 VDC
Supply Current (mA)	19 max.	13 typ., 18 max.
Output Current/Type	Ratiometric/Sourcing	Ratiometric/Sinking or Sourcing 1 mA max.
Response Time	3 μ s max.	3 μ s typ.
Magnetic Characteristics		
Span*	6.0 V (-400 to +400 gauss)	0.625 V_s (-500 to +500 gauss)
Null (Offset @ 0 gauss)	6.0 $\pm$ 0.6 V	4.0 $\pm$ 0.04 V
Sensitivity (mV per gauss @ 25°C)	7.5 $\pm$ 0.2	5.0 $\pm$ 0.1
Linearity (% span)	$\pm$ 1.5	0.8 typ., -1.5 max.
Temperature Error (all %s reference 25°C value)		
Null Shift		
-40 to +150°C	$\pm$ 5%	
-25 to +85°C	$\pm$ 3%	$\pm$ 0.03%/°C
0 to +50°C	$\pm$ 2%	
Gain Shift		
-40 to 0°C	-0.034%/°C	
-20 to +85°C		$\pm$ 0.045%/°C
0 to 150°C	-0.077%/°C	

* At 25°C

Magnets page 23.

Analog

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