

# DATASHEET

## SPD001GBsoic6 Pressure Sensor

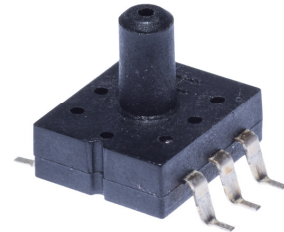
last update  
September 29, 2016

reference  
spd001gbsoic6 n

page  
1/1

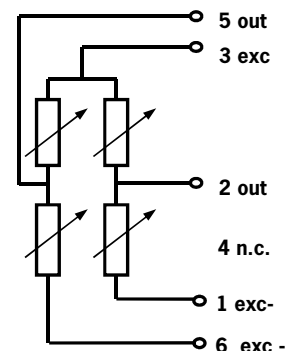
### SOLID STATE PRESSURE SENSOR FOR GAUGE PRESSURE IN S06

The SPD001GBsoic6 series SPD Gauge Pressure sensors are designed for space sensitive applications and are encapsulated in a standard SO-6 package. The sensors are for use with non-corrosive and non-ionic media. The range of this sensor is 1 PSI, other ranges can be made on request.



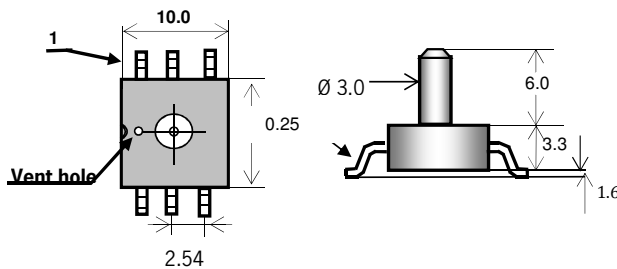
### Characteristics (measured @5V exc. voltage and 25 °C)

Parameter	Min	Typ	Max	Units.
Excitation Voltage	0	5	10	V
Excitation Current	-	1,5	3	mA
Pressure range	0		1	psi
Span	35	70	100	mV
Offset	-30	0	70	mV
Temp Coeff. Span 1)	-0,1		-0,25	%FS/°C
Temp Coeff. Offset		±0,08		%FS/°C
Linearity 2)		±0,5		%FS
Bridge impedance	2,7	3,3	3,9	KΩ
Operating temperature	0		50	°C
Storage temperature	-40		125	°C
Over pressure			3x	FS



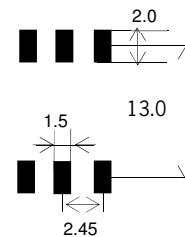
Internal circuit

- 1) Can be reduced to  $-0.06 \pm 0.01\%/FS/°C$  by using constant current excitation.
- 2) Measured Best Fit Straight Line



All sizes in mm

Soldering 250 °C, 5 sec.



Foot print

  
**smartec**  
[www.smartec-sensors.com](http://www.smartec-sensors.com)

## We are here for you. Addresses and Contacts.

---

### Headquarter Switzerland:

Angst+Pfister Sensors and Power AG  
Thurgauerstrasse 66  
CH-8050 Zurich  
Phone +41 44 877 35 00  
[sensorsandpower@angst-pfister.com](mailto:sensorsandpower@angst-pfister.com)

### Office Germany:

Angst+Pfister Sensors and Power Deutschland GmbH  
Edisonstraße 16  
D-85716 Unterschleißheim  
Phone +49 89 374 288 87 00  
[sensorsandpower.de@angst-pfister.com](mailto:sensorsandpower.de@angst-pfister.com)

---

Scan here and get an overview of personal contacts!



[sensorsandpower.angst-pfister.com](https://sensorsandpower.angst-pfister.com)

---