

# DATASHEET

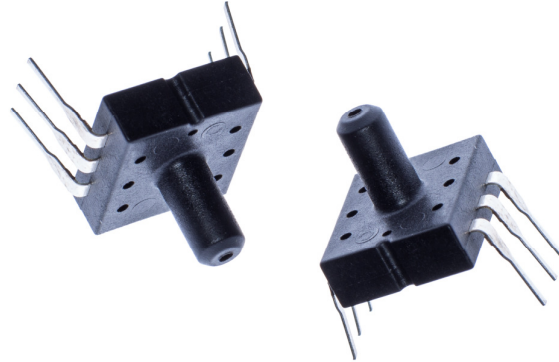
## SPD001G PRESSURE SENSOR

last update  
September 29, 2016

Reference  
SPD001G  
spd001g n

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This Smartec pressure sensor has a non compensated bridge output. This sensor has a range of 1 PSI gage type. Other ranges are on request. The output is bridge type and the power supply voltage is between 0 and 10 V.



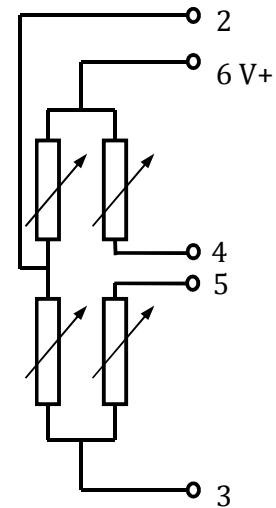
### Electrical Characteristics

Performance Characteristic at  $V_{cc} = 5V$  excitation @ 25 °C.

Parameter	Min	Typ	Max	Units
Supply Voltage	0	5	10	V
Supply Current	0	1.5	3.0	mA
Pressure range (fs)	0		1	PSI
Offset *)	-30	0	+70	mV
Span Output *)	35	70	100	mV
Linearity	-0.5		+0.5	%FS
Temp coeff offset*)		±0.08		%FS/°C
Temp coeff Span	-0.1		-0.2	%FS/°C
Pressure overload			3x	
Operating temperature	-20		85	°C
Storage temperature	-40		125	°C

Wetted materials are: Glass, RTV, PPA and silicon  
Bridge resistance 2.7 – 3.9 Kohm

\*) Output is ratiometric to supply voltage



Internal circuit

Pin Description

Pin	Description
1	N.C.
2	Input +
3	Out -
4	Input -
5	Input -
6	Out +

