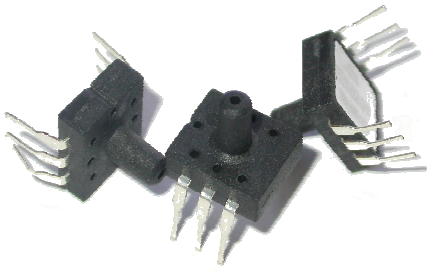
PRESSURE SENSOR SPD015GA1

This Smartec pressure sensor has an amplified analogue output. The sensor is compensated for offset, sensitivity, temperature drift and nonlinearity.
This sensor has a range of 15 psi. Other ranges on request.
Available in Gauge and Absolute type. The output is ratiometric to the power supply voltage. @ 5 V power voltage the output span is 0.5 to 4.5 V. The SPD analogue series can be considered as an "analogue" successor of the SPD series

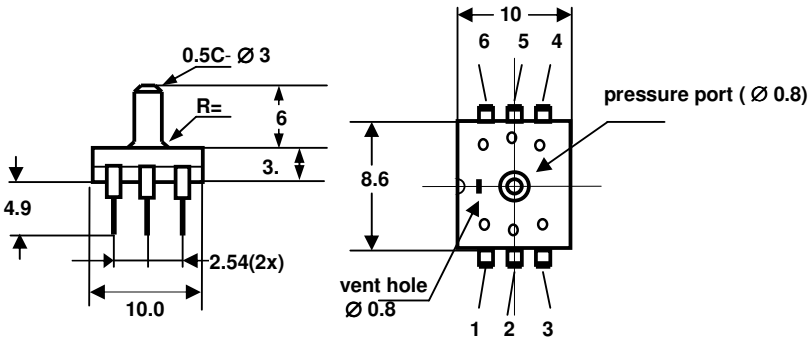


Electrical Characteristics

Performance Characteristic at Vcc =5V excitation @ 25 °C.

Parameter	Min	Typ	Max	Units
Supply Voltage	4.75	5	5.25	V
Supply Current		2.5		mA
Pressure range (fs)		15		psi
Zero Output *)	0.44	0.5	0.56	Vdc
Span Output *)	3.94	4.00	4.06	Vdc
Max output current			2.2	mA
Accuracy **)			±0.5	%FS
Response time		5		ms
Pressure overload			3x	psi
Operating temperature	-20		85	°C
Storage temperature	-40		125	°C

Wetted materials are: Glass, RTV, PPA and silicon
***) Output is ratiometric to supply voltage**
****) all errors included, temperature compensation over 0-50 °C**



Pin	Description
1	NC
2	NC
3	Gnd
4	Vcc
5	Out
6	NC

Do NOT connect NC pins
Apply 100nF between Vcc and Gnd.