

# DATASHEET

## SPD015GA1 Pressure Sensor

last update  
oktober 4, 2016

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spd015ga1 n

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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

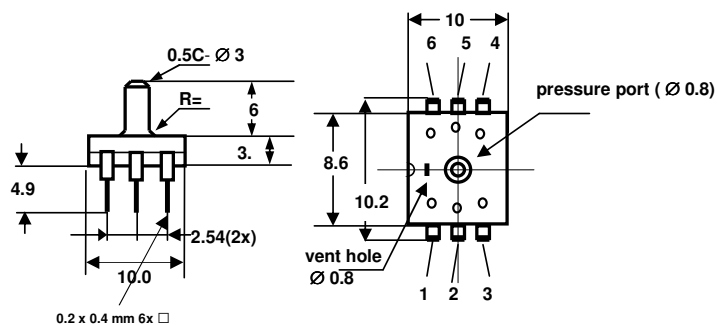
Performance Characteristic at Vcc =5V excitation @ 25 °C.

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

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.



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

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