DATASHEET
SPD0.3GAsil Pressure sensor

last update
september 28, 2016

reference
spd0.3gasil n

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SPECIAL LOW PRESSURE RANGE SENSOR WITH COMPENSATED OUTPUT

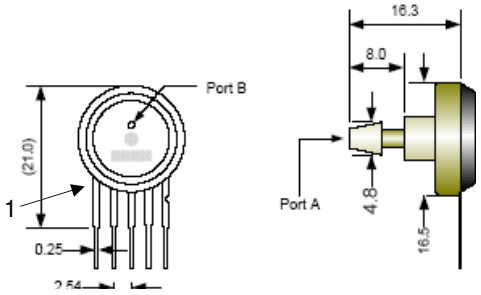
This Smartec pressure sensor has an amplified analogue output. The sensor is compensated for offset, sensitivity, temperature drift and nonlinearity. The sensor has a range of 0.3 PSI FS and the output is ratio metric to the power supply voltage. Other pressure ranges (from 0.3 to 100 psi) on request.

Electrical Characteristics

Performance characteristic @ Vcc = 5 V and 25 °C.

Parameter	Min	Typ	Max	Units.
Supply Voltage	2.7	5	5.25	V
Supply Current		-	2.0	mA
Pressure range	0		0.3	psi
Zero Output	0.1	0.2	0.3	Vdc
Span Output(ratio metric)		4.6		Vdc
Accuracy			2.2	%FS/100°C
Linearity		±1.0		%FS
Response time		1		ms
Pressure overload			5x	psi
Temperature compensating	0		50	°C
Storage temperature	-40		125	°C

Wetted materials are:



Dimensions in mm

Pin#	Description
1	**Gnd**
2	**Vcc**
3	**Out**
4	**Gnd**
5	**Gnd**

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