

DATASHEET

SPD0.3DBsoic6 Pressure Sensor

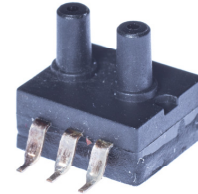
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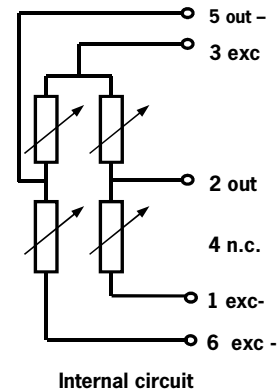
Solid state sensor for differential pressure measurement in SO6

The SPD0.3DBsoic6 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 0.3 PSI, other ranges can be made on request.

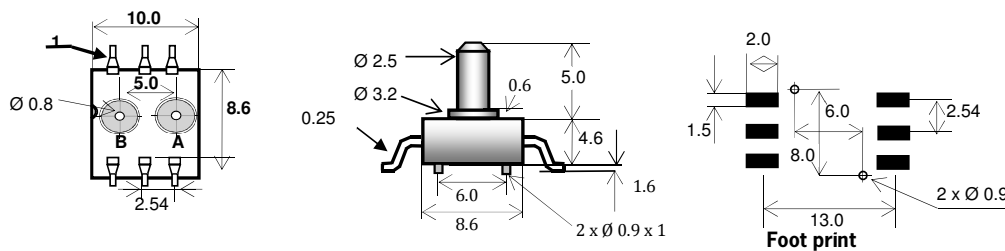


Characteristics (measured @5V exc. voltage and 25 °C)

Parameter	Min	Typ	Max	Units.
Excitation Voltage	0	5	10	V
Pressure range	-0,3	0	0,3	psi
Span	25	50	75	mV
Offset (@ 0 psi)	-75	0	75	mV
Temp Coeff. Span 1)		-19,5		%FS
Temp Coeff. Offset 1)		±7		%FS
Linearity 2)		±0,3		%FS
Hysteresis 1)		0,2		%FS
Bridge impedance	2,7	3,3	3,9	KΩ
Operating temperature	-20		85	°C
Storage temperature	-40		125	°C
Over pressure			3x	FS



- 1) Temperature coefficient measured between 0 to 50 °C
- 2) Measured Best Fit Straight Line



- All sizes in mm (not to scale)
- Port B is positive differential
- Soldering 250 °C, 5 sec.



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