

DATASHEET

SPD0.15DAsoic6 Pressure Sensor

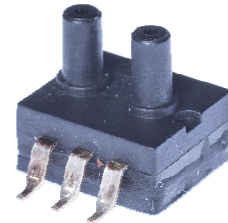
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reference
SPD0.15DAsoic6 N

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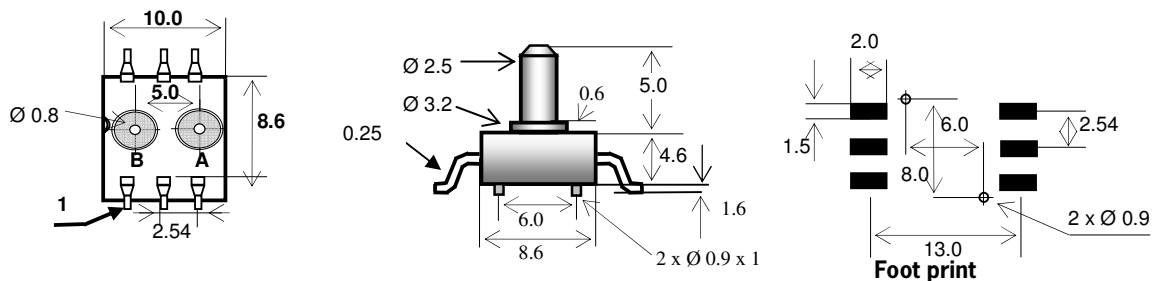
SOLID STATE SENSOR FOR DIFFERENTIAL PRESSURE MEASUREMENT IN SO6

The SPD0.15DBsoic6 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 0.15 PSI, other ranges can be made on request.



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

| Parameter | Min | Typ | Max | Units. |
|-----------------------|-------|-------|-------|----------------|
| Excitation Voltage | 2.7 | 5 | 5.25 | V |
| Supply current | | | 3 | mA |
| Pressure range | -0,15 | 0 | 0,15 | Psi |
| Span | | ±2.00 | | Vdc |
| Offset (@ 0 psi) | 2.428 | 2.5 | 2.572 | Vdc |
| Response time | | 1 | 2 | Ms |
| Accuracy | | | ±2.5 | %FS |
| Temp compensating | 0 | | 50 | °C |
| Operating temperature | -20 | | 70 | °C |
| Storage temperature | -40 | | 125 | °C |
| Over pressure | | | 8x | Rated pressure |



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

Pin description

- 1 NC
- 2 NC
- 3 GND
- 4 Vcc
- 5 Out
- 6 NC

NC pins must be left open

A 0.1 uf capacitor must be connected between GND and Vcc