

Electrical Characteristics

Features

- Uncompensated analog output
- Absolute and gauge types
- For use in clean, dry air and non-corrosive gasses
- Tape and reel packaging
- RoHS compliant*

Applications

Industrial:

- HVAC systems
- Process monitoring
- Packaging automation

Medical Devices (low/medium risk) * *:

■ Diagnostic equipment

Additional Information

Analysis equipment

BPS320 Series - 6 mm Analog Low Pressure Sensor

Supply Voltage (V_s)5 V typical, 15 V maximum Click these links for more information: Output CurrentmV INVENTORY SAMPLES **Performance Characteristics** Operating Temperature -40 °C to +85 °C Storage Temperature-55 °C to +160 °C Temperature Coefficient - Zero $\pm 25 \,\mu \text{V/V/}^{\circ}\text{C}$ Temperature Coefficient - Sensitivity -2200 +700 / -300 PPM/°C -200 +700 / -300 PPM/°C Burst Pressure 2X full scale pressure Full Scale Output (@ 5 volts) **Product Characteristics**

Media CompatibilityNon-corrosive dry gassesMoisture Sensitivity Level2ESD Classification (HBM)2 kVMarkingBourns "B", model number, pressure, date codeStandard Packaging500 pcs./reel

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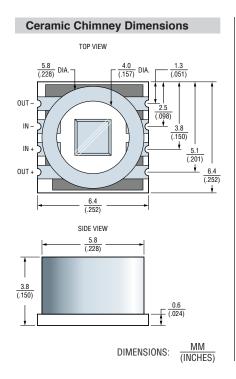
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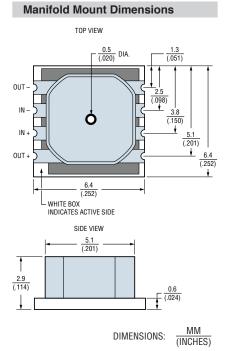
^{*}RoHS3 Directive 2015/863 Amendments of Annex II on Mar 31, 2015.

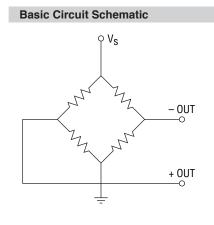
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BPS320 Series – 6 mm Analog Low Pressure Sensor

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How To Order BPS320 - A A 015P - 4 M G Model Series Uncompensated, mV Output Media Compatibility -A = Air/Gas Pressure Type G = Gauge A = Absolute Pressure (psi) 015P = 15 psi 050P = 50 psi100P = 100 psi500P = 500 psi Terminal Pins -4 = Surface Mount, No Terminals Port Style -C = Ceramic Chimney K = Ceramic Chimney with Gel (Gel not available for 500 psi) M = Manifold Mount Packaging Designator

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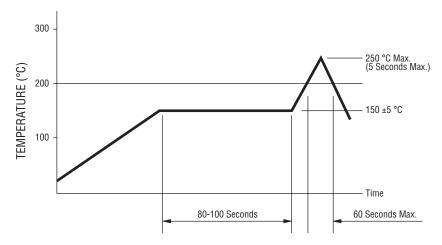
G = 500 pcs. per 13-inch Reel

Users should verify actual device performance in their specific applications.

BPS320 Series – 6 mm Analog Low Pressure Sensor

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Solder Profile

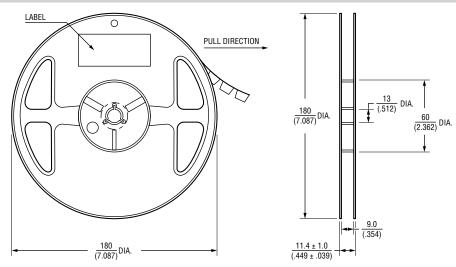


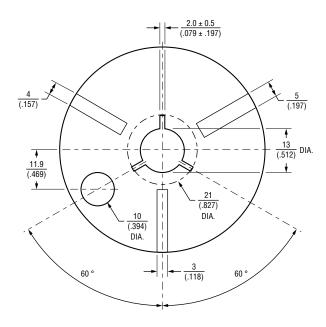
Processing Method: Reflow soldering with infrared heat or forced air convection (only once).

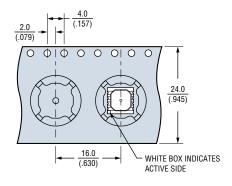
Notes:

- 1. No clean solder paste is recommended.
- 2. Aqueous wash is not recommended.
- Use of water soluble soldering flux should be avoided due to possible corrosion.
- 4. Multiple passes through the soldering process is not recommended.
- 5. Other SMD processes and profiles should be verified by the customer.

Packaging Specification







MM (INCHES) DIMENSIONS:

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