

### **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
- Analysis equipment

# **BPS320 Series - 6 mm Analog Low Pressure Sensor**

## 

### **Additional Information**

Click these links for more information:









DUCT

TECHNICAL INVENTORY

SAMPLES

CONTACT

	<u>LIBRARY</u>
Performance Characteristics	
Operating Temperature.	-40 °C to +85 °C
Storage Temperature	-55 °C to +160 °C
	±10 mV/V
	±0.2 % FS
	±0.1 % FS
Thermal Hysteresis	±0.1 % FS
Temperature Coefficient - Zero	±25 μV/V/°C
Temperature Coefficient - Resistance	
Temperature Coefficient - Sensitivity	-2200 +700 / -300 PPM/°C
Burst Pressure	
Full Scale Output (@ 5 volts)	
15 psi	
50 psi	125 ±25 mV
300 psi	
500 psi	175 ±35 mV
Product Characteristics	
Media Compatibility	
	2
ESD Classification (HBM)	2 kV
Marking	Bourns "B", model number, pressure, date code
Standard Packaging	

Consult factory for custom options such as supply voltage, temperature calibration range, output range, accuracy specification and update rate.

## **BOURNS®**

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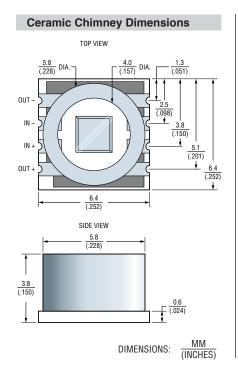
Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at <a href="https://www.bourns.com/docs/legal/disclaimer.pdf">www.bourns.com/docs/legal/disclaimer.pdf</a>.

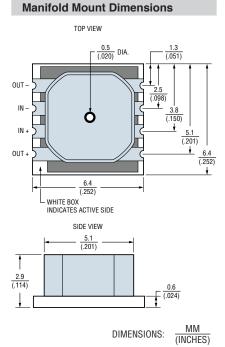
<sup>\*</sup>RoHS3 Directive 2015/863 Amendments of Annex II on Mar 31, 2015.

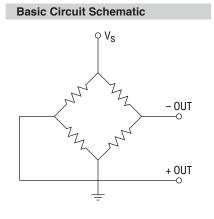
<sup>\*\*</sup>Bourns® products have not been designed for and are not intended for use in "lifesaving," "life-critical" or "life-sustaining" applications nor any other applications where failure or malfunction of the Bourns® product may result in personal injury or death. See Legal Disclaimer Notice.

# **BPS320 Series – 6 mm Analog Low Pressure Sensor**

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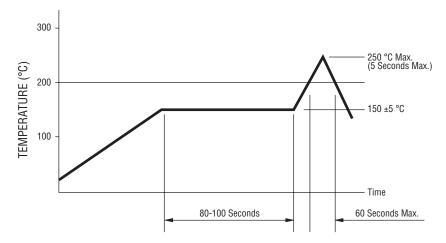


### **How To Order** BPS320 - A A 015P - 4 M G Model Series Uncompensated, mV Output Media Compatibility -A = Air/Gas Pressure Type G = Gauge A = Absolute Pressure (psi) 015P = 15 psi 050P = 50 psi100P = 100 psi500P = 500 psi Terminal Pins -4 = Surface Mount, No Terminals Port Style -C = Ceramic Chimney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

G = 500 pcs. per 13-inch Reel

# **BPS320 Series – 6 mm Analog Low Pressure Sensor**

### **Solder Profile**

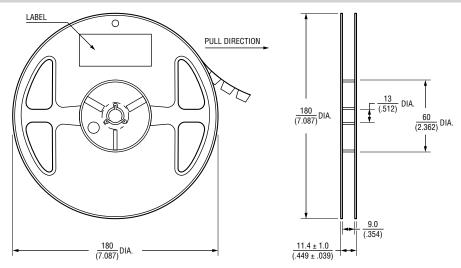


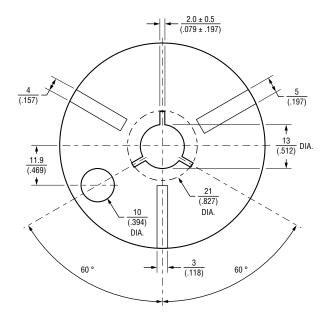
Processing Method: Reflow soldering with infrared heat or forced air convection (only once).

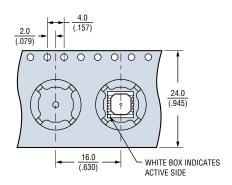
- 1. No clean solder paste is recommended.
- 2. Aqueous wash is not recommended.
- 3. Use of water soluble soldering flux should be avoided due to possible corrosion.
- 4. Multiple passes through the soldering process is not recommended.
- 5. Other SMD processes and profiles should be verified by the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

# **BPS320 Series – 6 mm Analog Low Pressure Sensor**

## **Packaging Specification**







MM (INCHES) DIMENSIONS:

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