

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

Electrical Characteristics

	Additional Information	
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Click these links for more information:

Supply Voltage (V _s)	
Supply Current @ 5 V	
Output Current	mV
Impedance	



Performance Characteristics

Performance Characteristics	
Operating Temperature Storage Temperature Pressure Range Offset	-55 °C to +160 °C
Non-linearity Pressure Hysteresis Thermal Hysteresis Temperature Coefficient - Zero	±0.1 % FS ±0.1 % FS
Temperature Coefficient - Resistance Temperature Coefficient - Sensitivity Burst Pressure	
Full Scale Output (@ 5 volts)	
15 psi	
Product Characteristics	
Media Compatibility Moisture Sensitivity Level ESD Classification (HBM) Marking Standard Packaging	
Weight	

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

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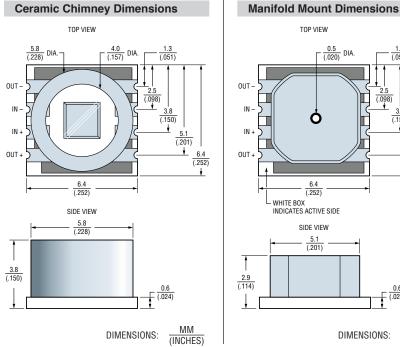
*RoHS3 Directive 2015/863 Amendments of Annex II on Mar 31, 2015.

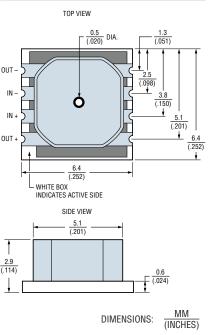
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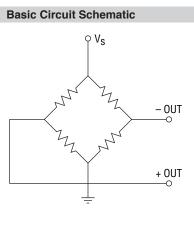
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BPS320 Series – 6 mm Analog Low Pressure Sensor

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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 psi 100P = 100 psi 500P = 500 psi	
Terminal Pins	
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

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BPS320 Series – 6 mm Analog Low Pressure Sensor

Solder Profile

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

Notes:

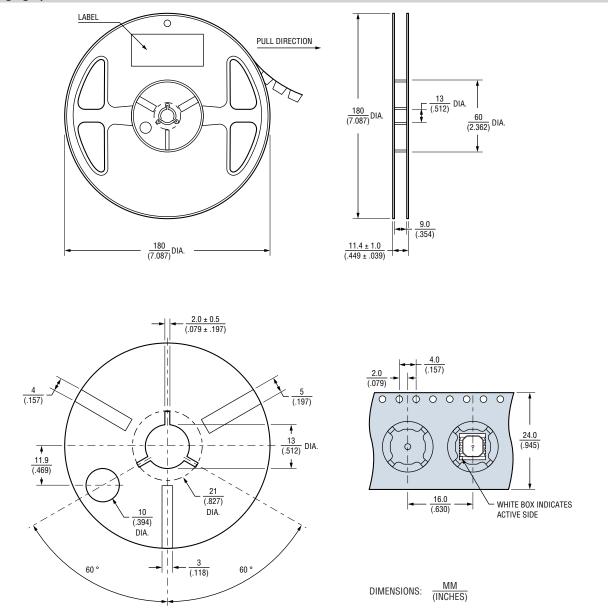
1. No clean solder paste is recommended.

OTTRN

- 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.

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Packaging Specification

REV. 08/21

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