

Features

- Uncompensated analog output
- Absolute and gauge types
- For use in clean, dry air and non-corrosive gasses
- Tray packaging
- Optional ceramic chimney
- Optional gel coating for condensing applications
- RoHS compliant*

Electrical Characteristics

BPS330 Series - 8 mm Analog Medium Pressure Sensor

Supply Voltage (V _s) Supply Current @ 5 V Output Impedance	
Performance Characteristics	
Operating Temperature Storage Temperature Pressure Range. Offset ¹ . Non-linearity ² (Standard) Non-linearity ² (50 psi) Pressure Hysteresis Thermal Hysteresis ³ Temperature Coefficient - Zero ⁴ . Temperature Coefficient - Resistance ⁴ Temperature Coefficient - Sensitivity ⁴ Burst Pressure.	$\begin{array}{c} -55\ ^{\circ}\text{C to } +125\ ^{\circ}\text{C} \\ 5\ \text{to } 60\ \text{psi} \\ 0\ \pm 5\ \text{mV/V} \\ \pm 0.25\ ^{\circ}\text{FS} \\ \pm 0.15\ ^{\circ}\text{FS} \\ \pm 0.1\ ^{\circ}\text{FS} \\ \pm 0.1\ ^{\circ}\text{FS} \\ \pm 0.1\ ^{\circ}\text{FS} \\ \pm 25\ ^{\mu}\text{V/V}^{\circ}\text{C} \\ 3100\ \pm 400/\text{-}600\ \text{PPM}^{\circ}\text{C} \\ -2000\ \pm 500\ \text{PPM}^{\circ}\text{C} \end{array}$
Full Scale Output (@ 5 volts)	
5 psi	
Product Characteristics	
Media Compatibility	

	Non-corrosive dry gasses
Moisture Sensitivity Level	
ESD Classification (HBM)	
Marking	Bourns "B", model number, pressure, date code
0 0	
Weight	

Notes:

 1 Zero pressure, gauge only, at 25 $^\circ\text{C}$ ² Best fit straight line at 25 °C ³ Zero pressure ⁴ -40 °C to +85 °C



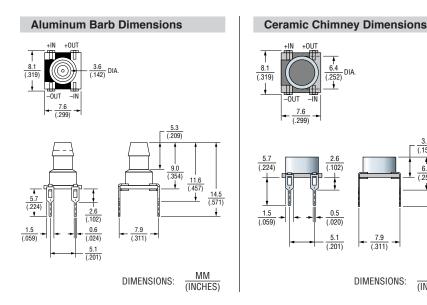
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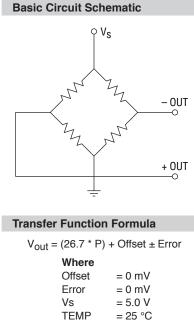
*RoHS3 Directive 2015/863 Amendments of Annex II on Mar 31, 2015.

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BPS330 Series – 8 mm Analog Medium Pressure Sensor

BOURNS





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

How To Order

	BPS330 - A A 015P - 3 S _
Model Series Uncompensated, mV Output	
Media Compatibility A = Air/Gas	
Pressure Type G = Gauge A = Absolute	
Pressure 005P = 5 psi 015P = 15 psi 030P = 30 psi 050P = 50 psi 060P = 60 psi	
Terminal Pins	
Port Style	
Packaging Designator — (blank) = 100 pcs. per Tray	

3.8 (.150)

∳ 6.4

(.252)

9.3 (.366) +

MM

(INCHES)

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BPS330 Series – 8 mm Analog Medium 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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