

#### **Features**

- Uncompensated analog output
- Absolute and gauge types
- Direct media monitoring
- Compatible with certain harsh media (backside port only)
- Gold-plated Kovar<sup>™</sup> port
- RoHS compliant\*

### **BPS340 Series - 9 mm Analog Medium Pressure Sensor**

Electrical Characteristics	
Supply Voltage (V <sub>S</sub> )	3 mA maximummV
Impedance	5 ±1 KΩ
Electrical Characteristics	

#### **Additional Information**

Click these links for more information:









Electrical Characteristics	
Supply Voltage (V <sub>s</sub> )	
Performance Characteristics	
Storage Temperature	-40 °C to +85 °C -55 °C to +100 °C -55 °C to +100 °C -55 °C to +100 °C -15 to 500 psi 0 ±10 mV/V ±0.2 % FS ±0.1 % FS ±0.2 % FS ±25 μV/V/°C -2800 ±500 PPM/°C -2200 +300/-700 PPM/°C -2X FS
Full Scale Output (@ 5 volts)	
100 psi	75 ±15 mV 150 ±30 mV 175 ±35 mV
Product Characteristics	
Moisture Sensitivity Level	
,	Bourns "B", model number, pressure, date code

- <sup>1</sup> Zero pressure, gauge only, at 25 °C
- <sup>2</sup> Best fit straight line at 25 °C
- <sup>3</sup> Zero pressure
- 4 -40 °C to +85 °C

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WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov "Kovar" is a trademark of CRS Holdings, Inc., Delaware

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

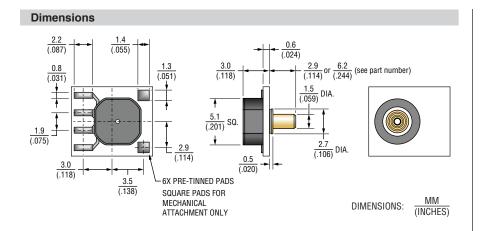
Specifications are subject to change without notice.

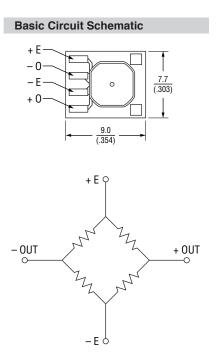
Users should verify actual device performance in their specific applications.

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# **BPS340 Series – 9 mm Analog Medium Pressure Sensor**

## BOURNS

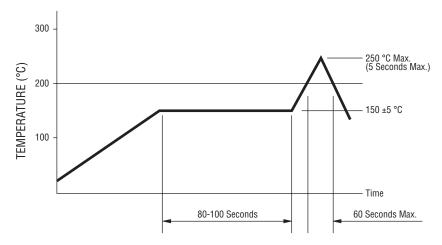




### **How To Order** BPS340 - H A 015P - 4 S G Model Series Uncompensated, mV Output Media Compatibility -H = Certain Harsh Media Pressure Type -G = Gauge A = Absolute Pressure -015P = 15 psi 100P = 100 psi 500P = 500 psi Terminal Pins -4 = Surface Mount, No Terminals Port Style -S = Single Port, Short (2.9 mm) L = Single Port, Long (6.2 mm, tray packaging only) Packaging Designator -

(blank) = 100 pcs. per Tray G = 500 pcs. per 13-inch reel

### **Solder Profile**

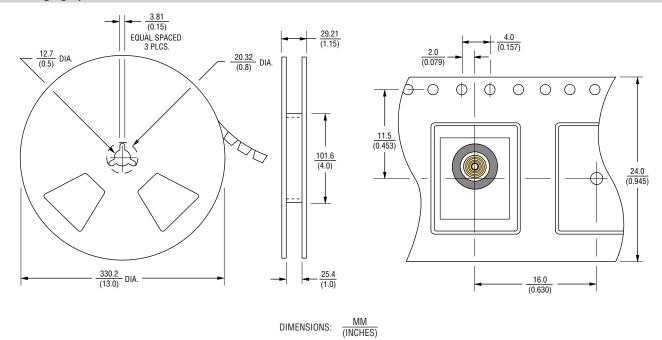


Processing Method: Reflow soldering with infrared heat or forced air convection (only once).

#### 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 Specifications**



REV. 05/22

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