

Features

- Uncompensated analog output
- Absolute and gauge types
- Direct media monitoring
- Compatible with certain harsh media (backside port only)
- Gold-plated Kovar[™] port
- RoHS compliant*

BPS340 Series - 9 mm Analog Medium Pressure Sensor

Electrical Characteristics Supply Voltage (V_s) 1.5 V minimum, 5 V typical, 15 V maximum Output......mV

Additional Information

Click these links for more information:











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Supply Voltage (V _s)	1.5 V minimum, 5 V typical, 15 V maximum
Supply Current @ 5 V	3 mA maximum
Output	mV
Impedance	5 410
•	

Performance Characteristics

Operating Temperature	
Storage Temperature	55 °C to +100 °C
Pressure Range	15 to 500 psi
Offset ¹	0 ±10 mV/V
Non-linearity ²	±0.2 % FS
Pressure Hysteresis	
Thermal Hysteresis ³	±0.2 % FS
Temperature Coefficient - Zero4	±25 μV/V/°C
Temperature Coefficient - Resistance ⁴	
Temperature Coefficient - Sensitivity ⁴	-2200 +300/-700 PPM/°C
Burst Pressure	2X FS

Full Scale Output (@ 5 volts)

15 psi	75 ±15 mV
100 psi	150 ±30 mV
500 psi	175 ±35 mV

Product Characteristics

Media Compatibility	
	1
	2 kV
Marking	Bourns "B", model number, pressure, date code
Weight	

- ¹ Zero pressure, gauge only, at 25 °C
- ² Best fit straight line at 25 °C
- ³ 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.

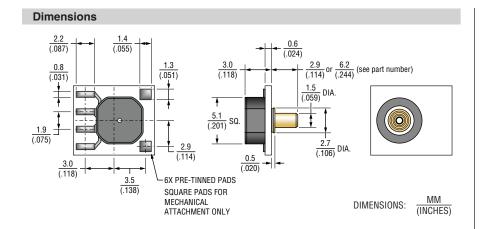
Specifications are subject to change without notice.

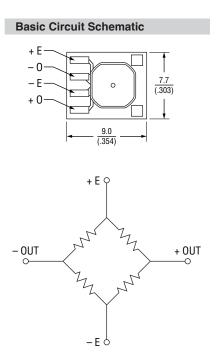
Users should verify actual device performance in their specific applications.

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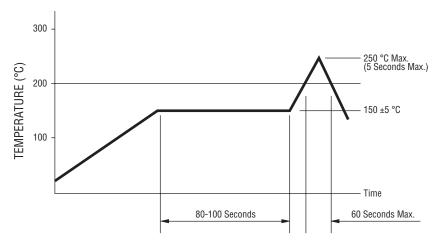
How To Order BPS340 - H A 015P - 4 S G Model Series Uncompensated, mV Output Media Compatibility -H = Certain Harsh Media Pressure Type -G = Gauge A = Absolute Pressure -015P = 15 psi 100P = 100 psi 500P = 500 psi Terminal Pins -4 = Surface Mount, No Terminals Port Style -S = Single Port, Short (2.9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

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(blank) = 50 pcs. per Tray G = 500 pcs. per 13-inch reel

Users should verify actual device performance in their specific applications.

Solder Profile

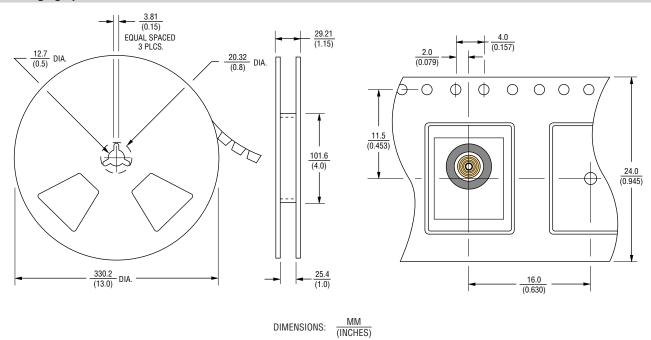


Processing Method: Reflow soldering with infrared heat or forced air convection (only once).

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



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