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142PC15AW



Actual product appearance may vary.

Pressure Sensors: Measurement Type: Absolute; Amplified; Range: 2.0 psia to 15.0 psia

Features

- Robust package
- PCB termination
- Fully signal conditioned
- Amplified

Potential Applications

- Environmental
- Weather monitoring equipment
- Altimeters
- Radiometers
- Leak detection systems in underground telecommunications cables

Description

140PC Series pressure sensors provide an output voltage that is proportional to the pressure applied. They operate in ranges from 0 psia to 15.0 psia to 0 psia to 30.0 psia using a single, positive supply voltage ranging from 7.0 Vdc to 16.0 Vdc.

Supporting Documentation

 [Engineering Drawing](#)

Product Specifications	
Measurement Type	Absolute
Signal Conditioning	Amplified
Pressure Range	2.0 psia to 15.0 psia
Maximum Overpressure	45.0 psia
Supply Voltage	7.0 Vdc min., 8.0 Vdc typ., 16.0 Vdc max.
Compensated	Yes
Output Calibration	Yes
Response Time	1 ms max.
Termination	Leadwire
Port Style	Straight
Package Style	Honeywell - 140PC
Linearity	± 0.87% span max. (P2 < P1)
Typical Sensitivity	0.333 V/psi
Full Scale Span	4.33 Vdc typ.
Null Offset	1.0 Vdc typ.
Repeatability & Hysteresis Error	± 0.17 % span typ.
Shock	Qualification tested to 50 g
Vibration	MIL - STD - 202 Method 204 (10 Hz to 2000 Hz at 10g)
Weight	28 g [0.987 oz]
Operating Temperature Range	- 40 °C to 85 °C [- 40 °F to 185 °F]
Compensated Temperature Range	- 18 °C to 63 °C [0 °F to 145 °F]
Storage Temperature Range	- 55 °C to 125 °C [- 67 °F to 257 °F]
Media Compatibility	Port 1: Dry gases only.
UNSPSC Code	411121
UNSPSC Commodity	411121 Transducers
Availability	Global
Series Name	140PC

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