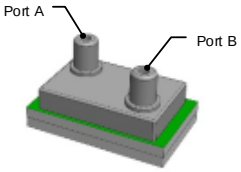
## Characteristics

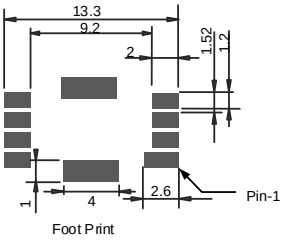
Unless otherwise specified, all parameters are measured at 25 °C and 60% RH

Preliminary

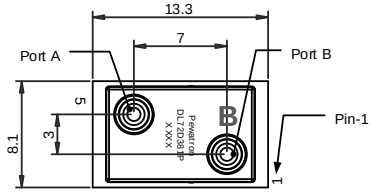
| Parameters | Min | Typ | Max | Unit |
|---|---|---|---|---|
| Excitation | 5 Vdc @ 5 mA (2.7 – 5.5 Vdc) | | | |
| Pressure range | -50 | | 50 | mbar |
| Resolution [1] | | | 16 | Bit |
| Zero Output (0 mbar) | | 0 | | Dec |
| Full Scale Output (-/+50 mabr) | -25600 | | 25600 | Dec |
| Accuracy(25°C) | | 0.25 | | %FS, +1LSB |
| Accuracy(0/50°C) [2] | | 1.5 | | %FS, +1LSB |
| Accuracy(-20/70°C) [2] | | 2.5 | | %FS, +1LSB |
| Update Rate | | 1 | | kHz |
| Temp - Compensating | -20 | | 70 | °C |
| Temp - Operating | -20 | | +80 | °C |
| Temp - Storage | -40 | | +125 | °C |
| Over Pressure | 3X | | | FS |
| Burst Pressure | 6X | | | FS |

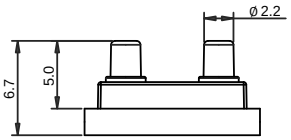
NOTES:
1. ENOB = 14 bits
2. Combined accuracy with auto-zero
3. Wetted material contains polyimide, silicon, Au, pyrex, epoxy & FR4
4. Zeroing after installation is recommended
5. The factory setting for I2C slave address is **0x6C** Default

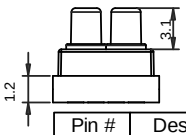



## Dimension




| Pin # | Description |
|---|---|
| 1 | SDA |
| 2 | SCL |
| 3 | EOC |
| 4 | N.C |
| 5 | OUT |
| 6 | N.C. |
| 7 | VDD |
| 8 | GND |

## Ordering Information

**52D – L72 D – 3 8 1 P**

- **Option Code**
- **Output**: 8 = Serial $I^2C$
- **Lead Direction**: 3= Surface Mount
- **Types**: D = Bi-directional
- **Ranges**: L72 = 50 mbar
- **Series**

Notes:
1. Port B is used for positive differential or gage
2. All dimensions are mm
3. Soldering of lead pins: 250 °C for 5 sec max.
4. N.C. pins must be left floating
5. Pull-up on SCL and SDA is 1KΩ min.
6. A 0.1 uF capacitor must be connected between $V_{SS}$ and $V_{DD}$, and closing to the sensor

SCD7-311-AL70G
03-19 R0

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