



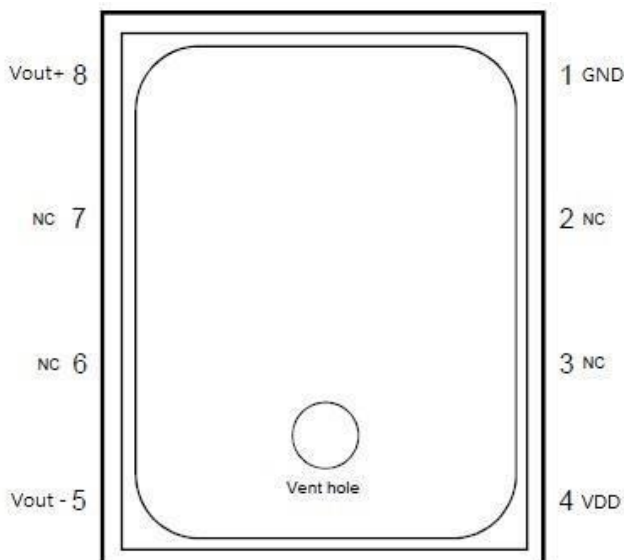
WF162B-7Bar Analog Pressure Sensor

General Introduction

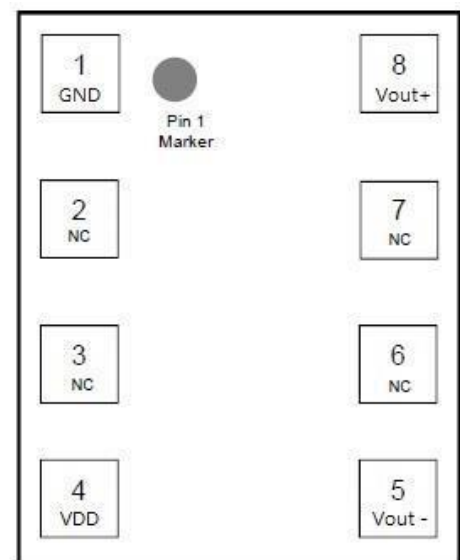
WF162B is absolute analog pressure sensor packaged a MEMS sensing element in a compact 2x2.5x1 mm³ package. The wide sensing range further opens enough windows for pressure detection. Finally the small form factor makes it an easy fit-in for compact applications like wearables, industry, automotive.

Features

- Absolute analog pressure sensor.
- Range of measurement: 0~700KPa.
- Operation voltage: +1.0V ~ +10.0V
- 8-pin LGA metal lid package. Footprint: 2mm x 2.5mm, height: 1mm.
- RoHS compliance & Halogen Free material



Top View



Bottom View



Specifications

Table-1: Pin definitions

Pin	Name	Description
1	GND	Common ground
2	NC	
3	NC	
4	VDD	Input power
5	Vout-	Negative output pin of pressure sensor
6	NC	
7	NC	
8	Vout+	Position output pin of pressure sensor

Table-2 General specification

Parameter	Units	Specification		
		min.	typ.	max.
Excitation Voltage	°C	-	5	10
Bridge Resistance	kΩ	5	5.4	6
Range of Measurement	KPa	700		
Full range output (@5V)	mV	-	330	-
Offset	mV	10	20	40
Linearity	%FS	-0.3	±0.15	0.3
Hysteresis	%FS	-0.3	±0.1	0.3
TC Span (Constant Voltage)	%FS/°C	-0.17	-0.22	-0.27
TC Span (Constant Current)	%FS/°C	-0.08	±0.02	0.08
TC Offset	%FS/°C	-0.08	-0.05	0.08
Burst Pressure	Rated FS			3X
Operating Temperature	°C	-40		85
Storage Temperature	°C	-40		125

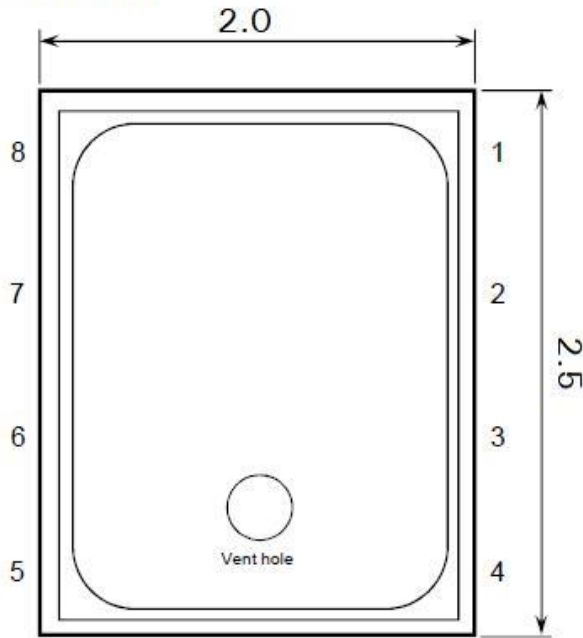
Table-3 Absolute Maximum rating

Parameter	Rating
Vop ~ GNDS	0V ~ +10V
Temperautre storage	-40°C ~ +125°C
ESD	2KV (HBM)
Mechanical shock	5000g for 0.2ms

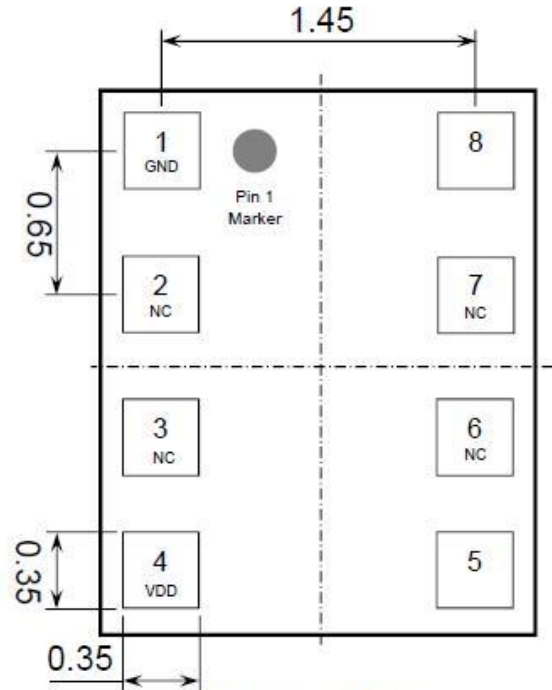


Package outline dimension

Unit: mm



Top View



Bottom View

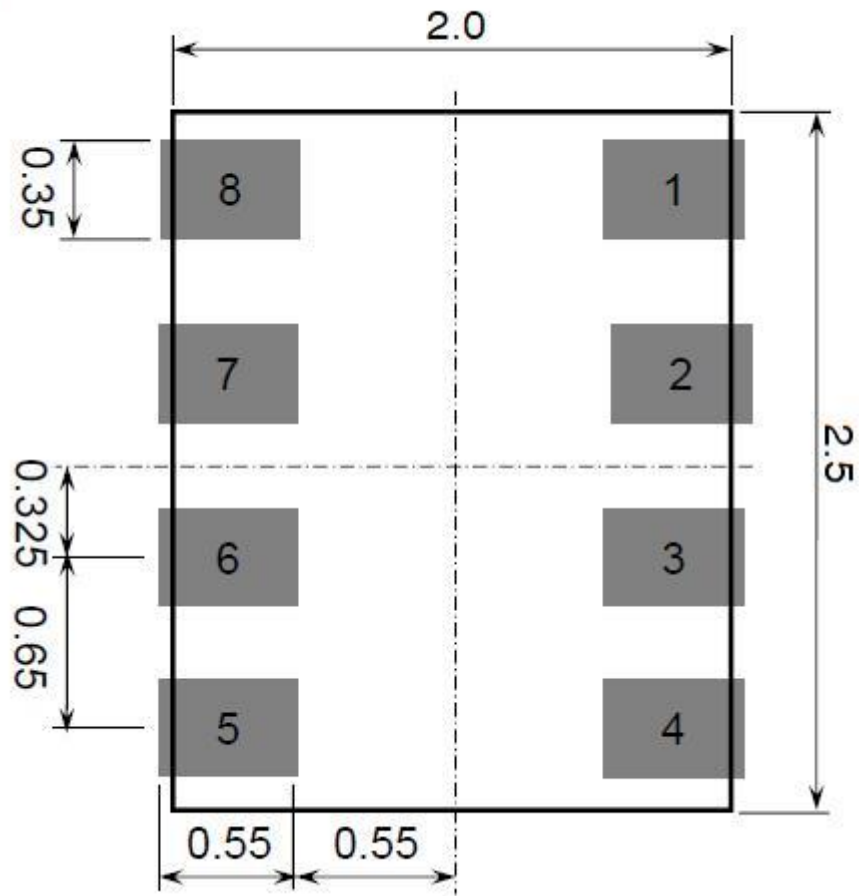


Side View



Surface mount information

Unit: mm



Tape Specification



WF162B-7Bar Analog Pressure Sensor

Document history and modification

Reversion No.	Description	Date
V1.0	Formal release	2018/12/11