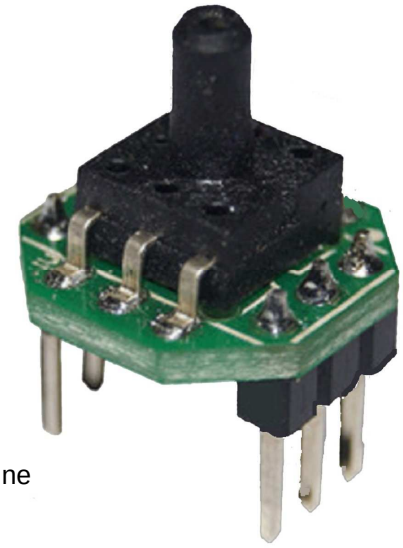
GLOBAL
MEASUREMENT
SRL

PRESSURE SENSOR TYPE GM-6847



MAIN FEATURES:

- Ranges. -100~0kPa…1000kPa (-15~0psi…150psi)
- Perfcet accuracy (±1.0%) FS
- Gage, vacuum type
- For non-corrosive gas or dry air
- Calibrated, amplified analog output
- Working Temp.: -0℃ ~ +85℃

APPLICATIONS:

- For medical equipments field, such as therapy equipment, breathing machine Oxygen generating equipment, monitor, alcohol test.
- For sport and fitness equipment, such as massage, air spring bed
- For home appliance filed, such as washing machine, active oxygen water machine, beer machine, coffe machine.
- For other fields, such as air pump, emergency lamp, dust collector, HVAC and pneumatic device.

INTRODUCTION:

GM-6847 is a perfect silicon pressure sensor module offering a ratiometric analog interface for reading pressure over the specified full scale pressure span and temp. range. The GM-6847 incorporates a silicon piezoresistive pressure sensor and an on-board application specific integrated circuit (ASIC) under PC board in a DIP8 package. This sensor is fully calibrated and temperature compensated for offset, sensitivity, temperature and non-linearity, which can be applied directly in medical equipment, fitness machine, home electronics, and other pneumatic device.

PRESSURE RANGE:

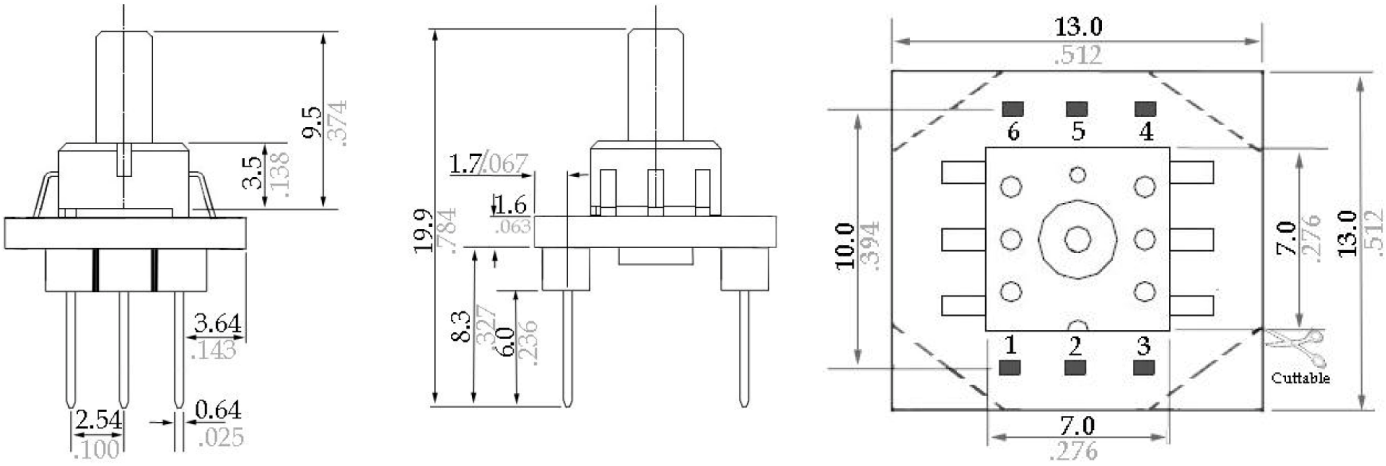
0~5 kPa	0~700 kPa
0~10 kPa	-100~0 kPa
0~20 kPa	-30~0 kPa
0~40 kPa	-20~0 kPa
0~100 kPa	-40~40 kPa
0~200 kPa	-100~100 kPa
0~500 kPa	-100~700 kPa

PERFORMANCE PARAMETER:

Unless otherwise specified, measurements were taken with a supply voltage of 5Vdc at a temperature of 25±1℃ and humidity ranging from 25%~85.

Item	Data
Power supply	5V (or 3.3V by custom)
Output signal	0.5-4.5 V (or by custom)
Accuracy	±1.0%span
Temp. coefficient of offset	±0.03%FS℃
Temp. coefficient of span	±0.03%FS℃
Ling term stability	±2%span
Over pressure	2X (≤500kPa)
	1.5X (≥500kPa)
Compensation Temp.	0℃ ~ 85℃
Ambient Temp.	-20℃ ~ 100℃
Storage Temp.	-40℃ ~ 125℃

OUTLINE DIMENSIONS:



Electric Connection

1	2	3	4	5	6
N/C	Vdd	GND	Vdd	OUT	GND

NOTE:

1,N/C Pins must be left floating

2,Soldering of lead Pins:250'C for 5 sec max.

Order Guide

XGZP6847 100 KP G

- G — Pressure Type(G:Gauge GN:Negative GPN:P+N)
- KP — Pressure Unit(MP：MPa KP：kPa)
- 100 — Pressure Range(000-999)
- XGZP6847 — Model

Global Measurement Srl
Via Olona 183/N, 21013 GALLARATE (VA)
Tel: 0331/786999 Fax: 0331/213964
info@global-measurement.it www.global-measurement.it