

Features

- Low pressure measurable ($\pm 1\text{kPa}$, $\pm 2\text{kPa}$, $\pm 5\text{kPa}$)
- Volt level output
- Piggy-back style, pre-amplified and pre-compensated module
- Pre-calibration of offset voltage and span

Applications

- Industrial instrumentation
- Pressure switch, Pneumatic device
- Medical device
- HVAC
- Pressure leak down check

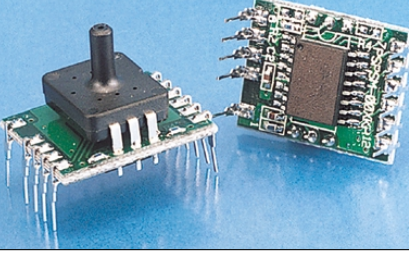
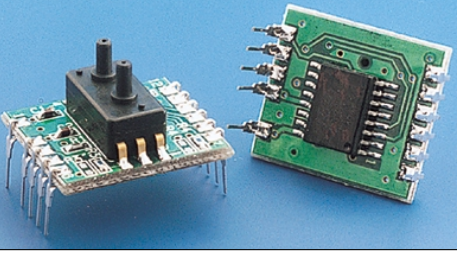
Part number for ordering

PSM - 005KP G

Model
PSM

Rated pressure(Pa)

Pressure type
GW : Gauge(Bipolar pressure)
DW : Differential(Bipolar pressure)

Pressure type	Gauge pressure PSM-G	Differential pressure PSM-D
Model		
Package configuration	Piggy-back style module	Piggy-back style module

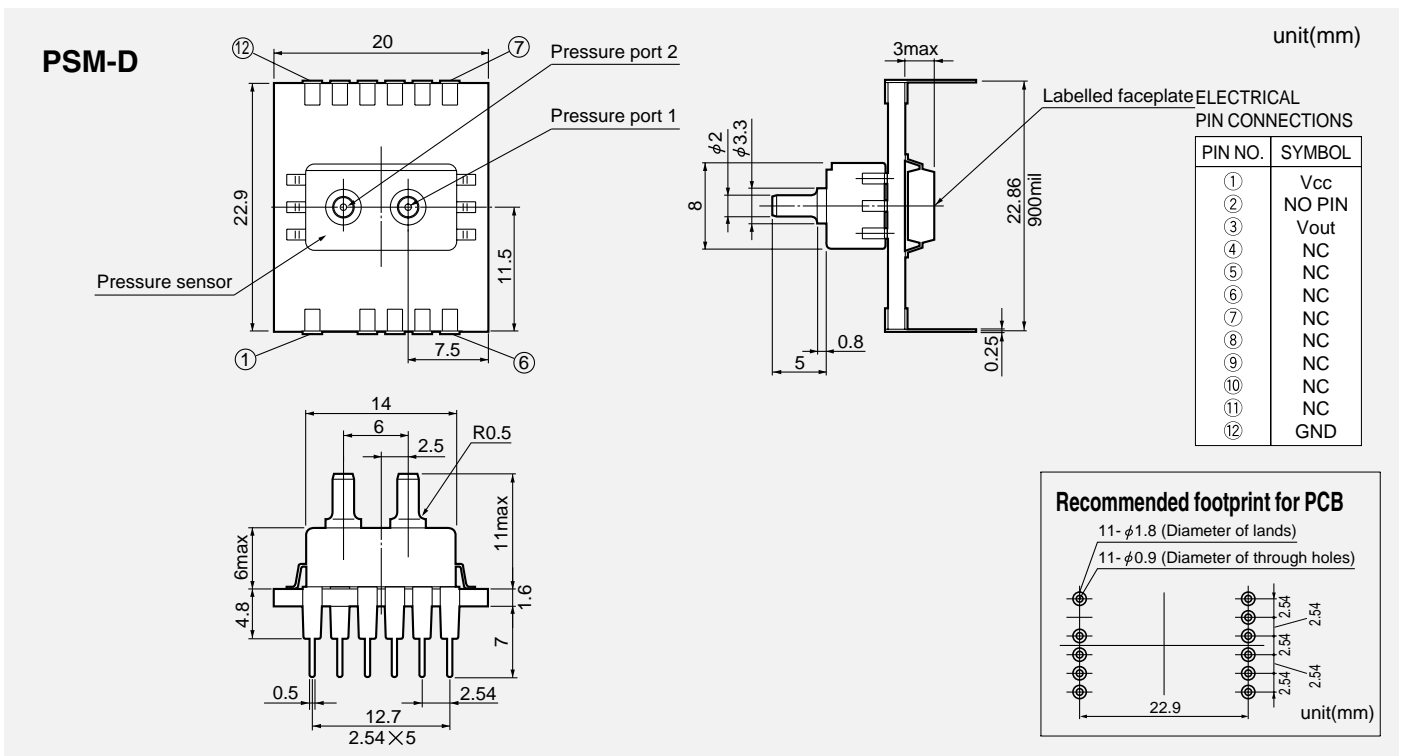
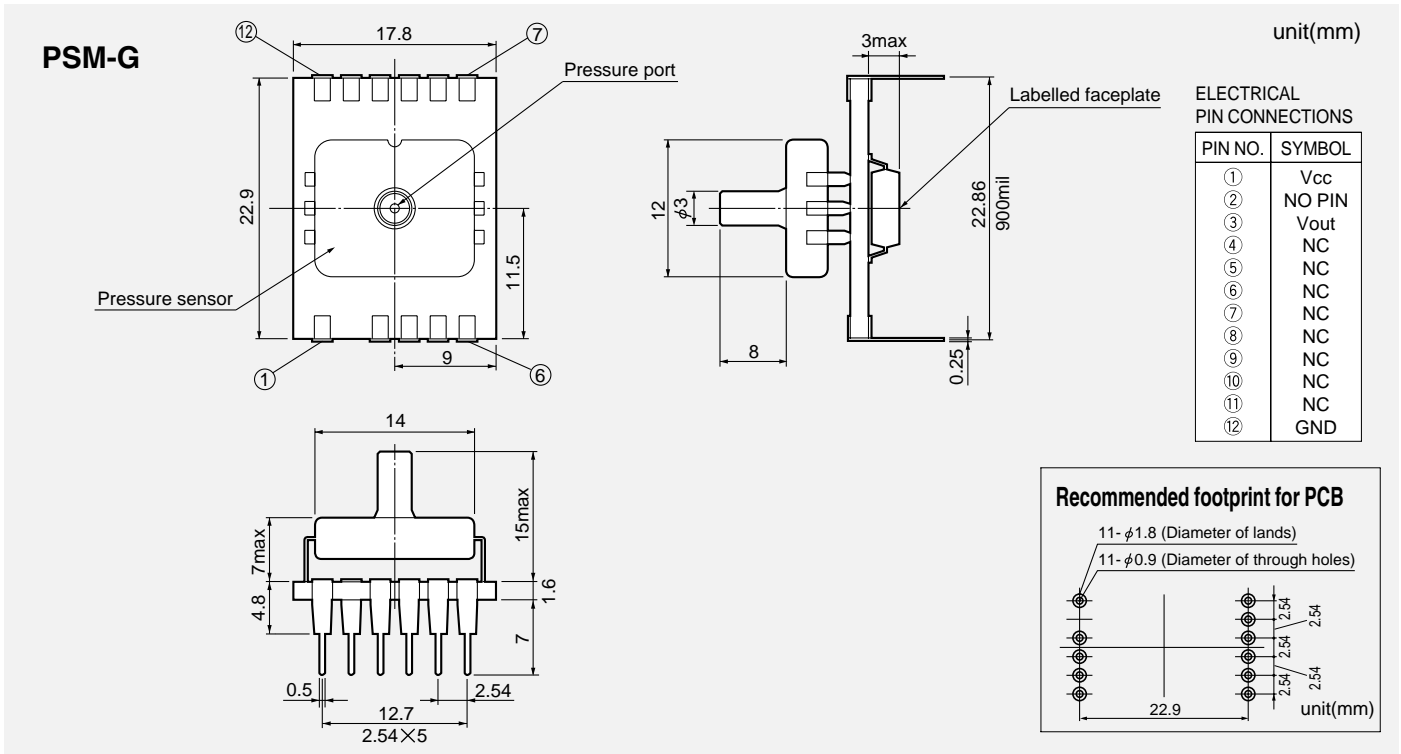
Measurable pressure range (kPa)	Part number for ordering	
-1~1	PSM-001KPGW	PSM-001KPDW
-2~2	PSM-002KPGW	PSM-002KPDW
-5~5	PSM-005KPGW	PSM-005KPDW

Specifications

Model/Rated pressure	001KPGW	002KPGW	005KPGW	001KPDW	002KPDW	005KPDW	Unit
Recommended operating conditions							
Pressure type	Gauge pressure			Differential pressure			—
Rated pressure	± 1 ± 10	± 2 ± 20	± 5 ± 51	± 1 ± 10	± 2 ± 20	± 5 ± 51	kPa g/cm ²
Measurable pressure range	-1~1	-2~2	-5~5	-1~1	-2~2	-5~5	kPa
Pressure media ※1	Non-corrosive gas only						—
Excitation voltage	5 \pm 0.25						VDC
Absolute maximum rating							
Maximum load pressure	27						kPa
Maximum excitation voltage	8						VDC
Operating temperature	-20~100						°C
Storage temperature	-40~120						°C
Operating humidity	30~80 (No dew condensation)						%RH
Electric performances/characteristics (Excitation voltage Vcc=5.0V constant, Ambient temperature Ta=25°C)							
Current consumption	less than 5						mA
Mechanical response time	less than 2						msec
Output voltage※1,2	0.5(-1kPa) ~ 4.5(+1kPa)	0.5(-2kPa) ~ 4.5(+2kPa)	0.5(-5kPa) ~ 4.5(+5kPa)	0.5(-1kPa) ~ 4.5(+1kPa)	0.5(-2kPa) ~ 4.5(+2kPa)	0.5(-5kPa) ~ 4.5(+5kPa)	V
Full scale span voltage※2	4.0						V
Offset voltage※1,2	2.5 \pm 0.2	2.5 \pm 0.12	2.5 \pm 0.08	2.5 \pm 0.2	2.5 \pm 0.2	2.5 \pm 0.12	V
Full scale span voltage※1,2	4.5 \pm 0.2	4.5 \pm 0.12	4.5 \pm 0.08	2.5 \pm 0.2	4.5 \pm 0.2	4.5 \pm 0.12	V
Accuracy※2	± 5.0	± 3.0	± 2.0	2.5 \pm 0.2	± 5.0	± 3.0	%FS/0~50°C

Note ; ※1)Output refers to pressure at pressure port 2.
※2)Excluding input voltage error.

Outline dimensions



Note ; Please read instruction "Notes" before using the sensor.
 Fujikura reserves the right to change specifications without notice.

Fujikura Ltd.

If you have any questions regarding technical issues or specifications, please contact our local distributor:
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