

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

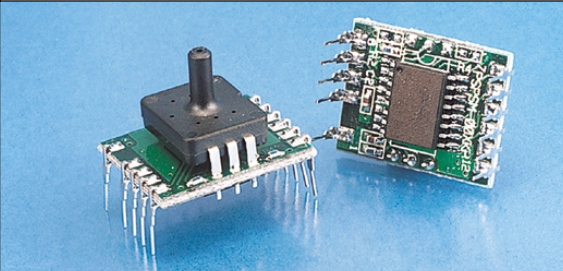
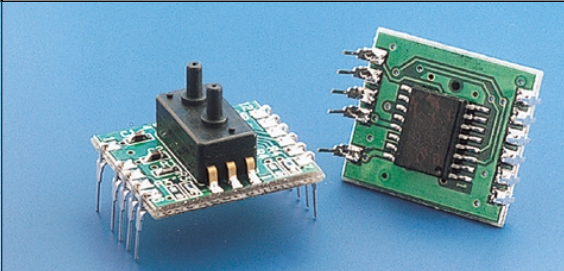
Model
PSM

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

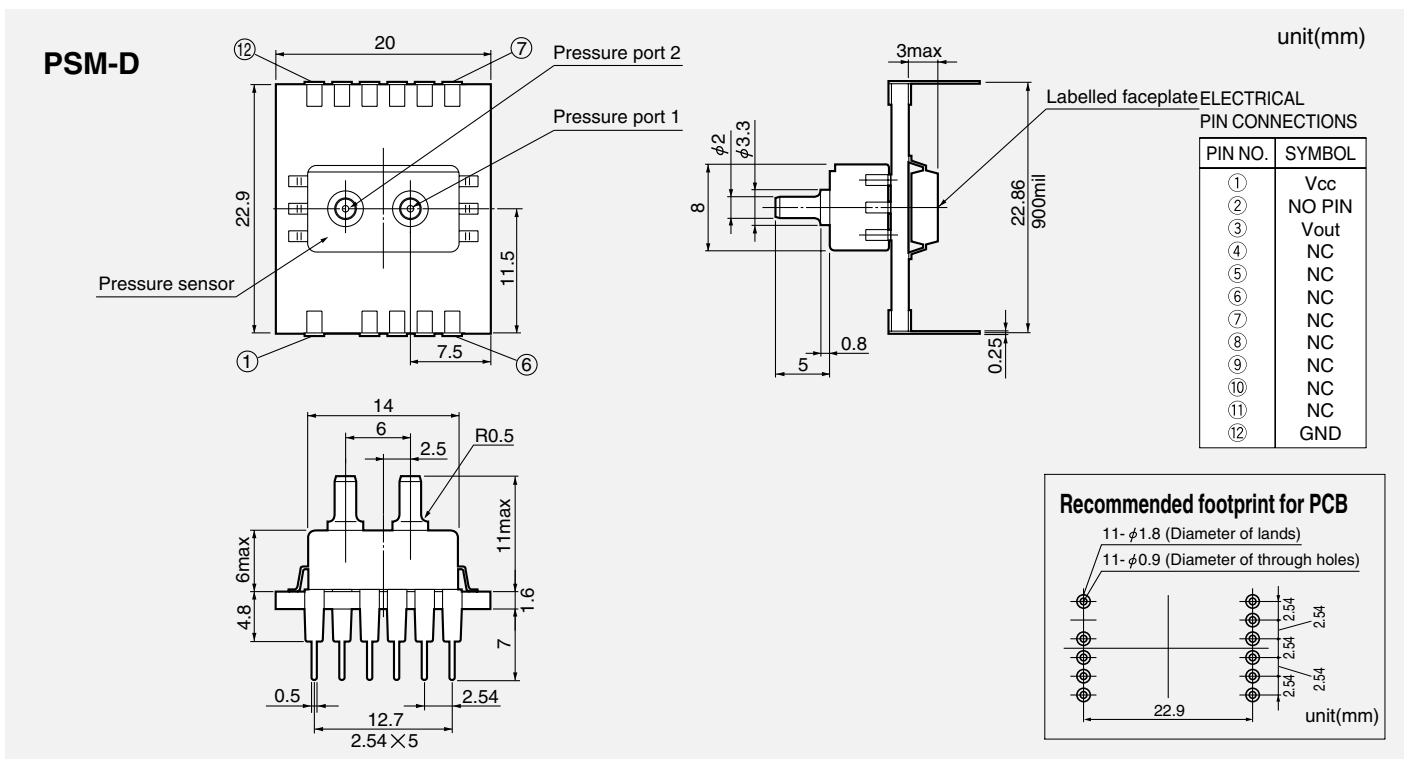
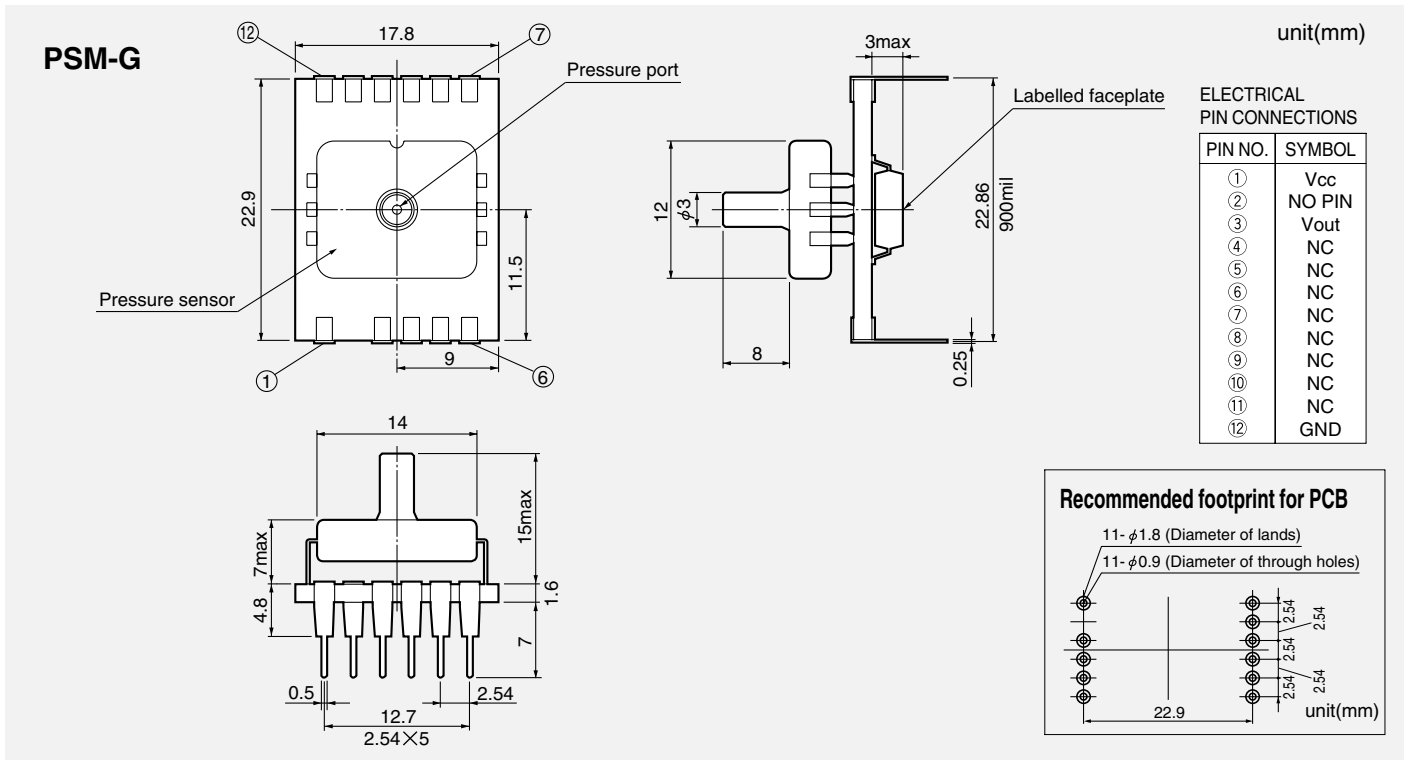
Measurable pressure range (kPa)	Part number for ordering	
-1~1	PSM-001KPGW	PSM-001KPDW
-2~2	PSM-002KPGW	PSM-002KPDW
-5~5	PSM-005KPGW	PSM-005KPDW

Specifications

Model/Rated pressure	001KPGW	002KPGW	005KPGW	001KPDW	002KPDW	005KPDW	Unit
Recommended operating conditions							
Pressure type	Gauge pressure			Differential pressure			—
Rated pressure	± 1	± 2	± 5	± 1	± 2	± 5	kPa
	± 10	± 20	± 51	± 10	± 20	± 51	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.

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