

## Features

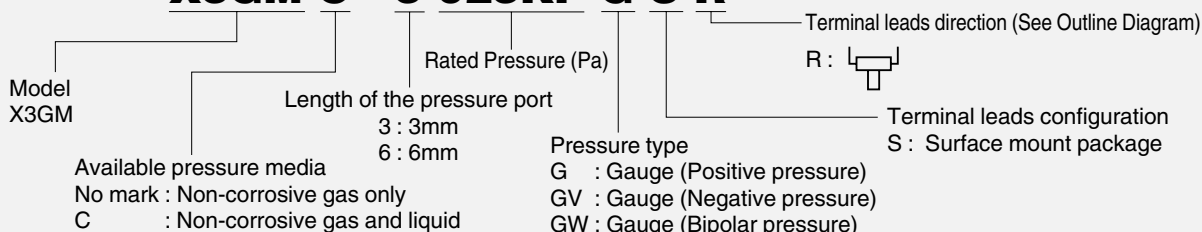
- 3V excitation, Battery operation available
- Volt level output
- On-chip amplification and temperature compensations
- Pre-calibration of offset voltage and span
- Non-corrosive liquid measurable (X3GMC only)

## Part number for ordering

## Applications

- Industrial instrumentation
- Pressure switch, Pneumatic device
- Medical device

### X3GM C - 3 025KP G S R



Pressure type	Gauge pressure	
	X3GM-3	X3GM-6
Model		
Package configuration	Surface mount package, 3mm pressure port	Surface mount package, 6mm pressure port

Measurable pressure range (kPa)	Part number for ordering								
	X3GM-3100KPGWSR	X3GM-3100KPGVSRH	X3GMC-3100KPGWSR	X3GMC-3100KPGVSRH	X3GM-6100KPGWSR	X3GM-6100KPGVSRH	X3GMC-6100KPGWSR	X3GMC-6100KPGVSRH	X3GMC-6100KPGVSRH
-100~100	X3GM-3100KPGWSR	X3GM-3100KPGVSRH	X3GMC-3100KPGWSR	X3GMC-3100KPGVSRH	X3GM-6100KPGWSR	X3GM-6100KPGVSRH	X3GMC-6100KPGWSR	X3GMC-6100KPGVSRH	X3GMC-6100KPGVSRH
0~-100	X3GM-3100KPGVSR	X3GM-3100KPGVSRH	X3GMC-3100KPGVSR	X3GMC-3100KPGVSRH	X3GM-6100KPGVSR	X3GM-6100KPGVSRH	X3GMC-6100KPGVSR	X3GMC-6100KPGVSRH	X3GMC-6100KPGVSRH
0~25	X3GM-3025KPGSR	X3GM-3025KPGSRH	X3GMC-3025KPGSR	X3GMC-3025KPGSRH	X3GM-6025KPGSR	X3GM-6025KPGSRH	X3GMC-6025KPGSR	X3GMC-6025KPGSRH	X3GMC-6025KPGSRH
0~50	X3GM-3050KPGSR	X3GM-3050KPGSRH	X3GMC-3050KPGSR	X3GMC-3050KPGSRH	X3GM-6050KPGSR	X3GM-6050KPGSRH	X3GMC-6050KPGSR	X3GMC-6050KPGSRH	X3GMC-6050KPGSRH
0~100	X3GM-3100KPGSR	X3GM-3100KPGSRH	X3GMC-3100KPGSR	X3GMC-3100KPGSRH	X3GM-6100KPGSR	X3GM-6100KPGSRH	X3GMC-6100KPGSR	X3GMC-6100KPGSRH	X3GMC-6100KPGSRH
0~200	X3GM-3200KPGSR	X3GM-3200KPGSRH	X3GMC-3200KPGSR	X3GMC-3200KPGSRH	X3GM-6200KPGSR	X3GM-6200KPGSRH	X3GMC-6200KPGSR	X3GMC-6200KPGSRH	X3GMC-6200KPGSRH
0~1000	X3GM-3001MPGSR	X3GM-3001MPGSRH	X3GMC-3001MPGSR	X3GMC-3001MPGSRH	X3GM-6001MPGSR	X3GM-6001MPGSRH	X3GMC-6001MPGSR	X3GMC-6001MPGSRH	X3GMC-6001MPGSRH

## Specifications

Model/Rated pressure	100KPGW	100KPGV	025KPG	050KPG	100KPG	200KPG	001MPG	Unit
<b>Recommended operating conditions</b>								
Pressure type	Gauge pressure							—
Rated pressure	±100	-100	25	50	100	200	1000	kPa
Measurable pressure range	±1.020	-1.020	0.255	0.510	1.020	2.040	10.20	kg/cm <sup>2</sup>
Pressure media ※1	XFGM : Non-corrosive gas only, XFGMC : Non-corrosive gas and liquid							—
Excitation voltage	3.0±0.3							VDC
<b>Absolute maximum rating</b>								
Maximum load pressure	Twice of rated pressure						1.5times of rated pressure	—
Maximum excitation voltage	6							VDC
Operating temperature	-10~80							°C
Storage temperature	-20~100							°C
Operating humidity	30~80 (No dew condensation)							%RH
<b>Electric performances/characteristics (Excitation voltage Vcc=3.0V constant, Ambient temperature Ta=25°C)</b>								
Current consumption	less than 6							mA
Output impedance	less than 10							Ω
Source current	less than 0.2							mA
Sink current	less than 2							mA
Mechanical response time	2 (For the reference)							msec
Full scale span voltage	1.5							V
Offset voltage※2	0.5±0.0375							V
Full scale span voltage※2	2.0±0.0375							V
Accuracy※2	±2.5							%FS/0~50°C

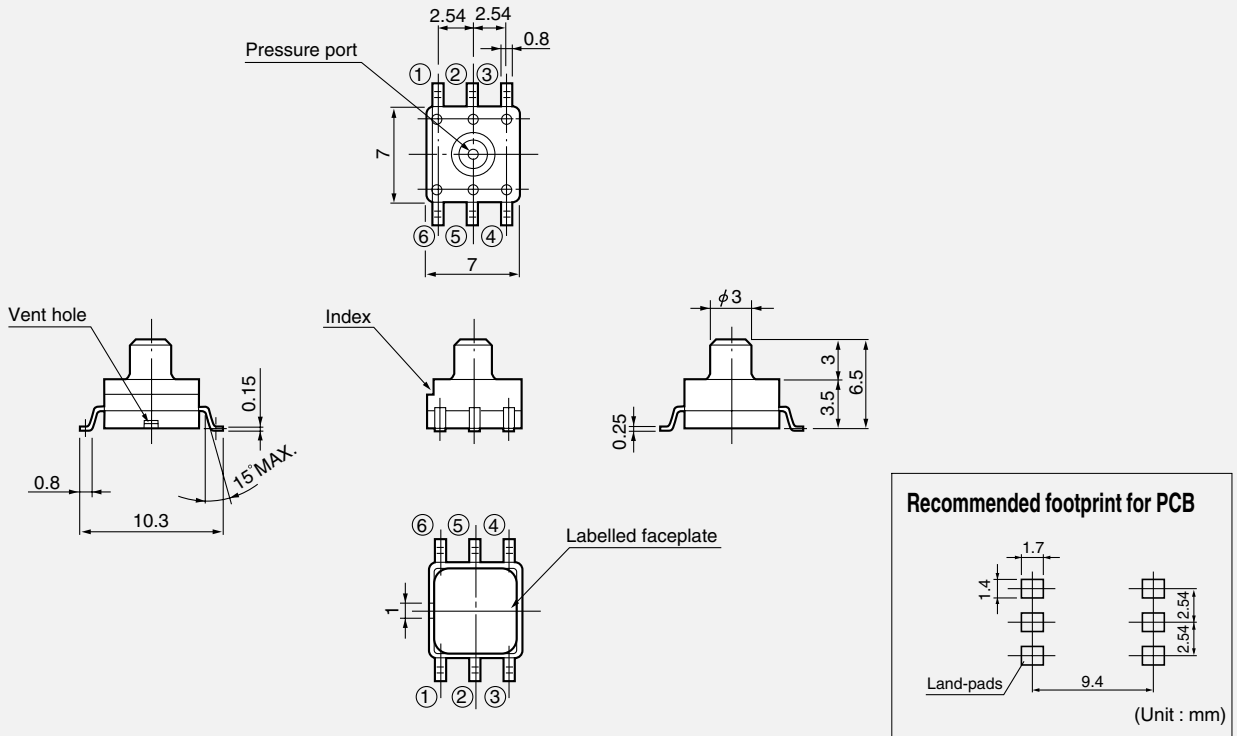
Note ; ※1) Please consult us available liquid pressure media when you choose the C models.

※2) Excluding input voltage error.

■ Outline dimensions ■

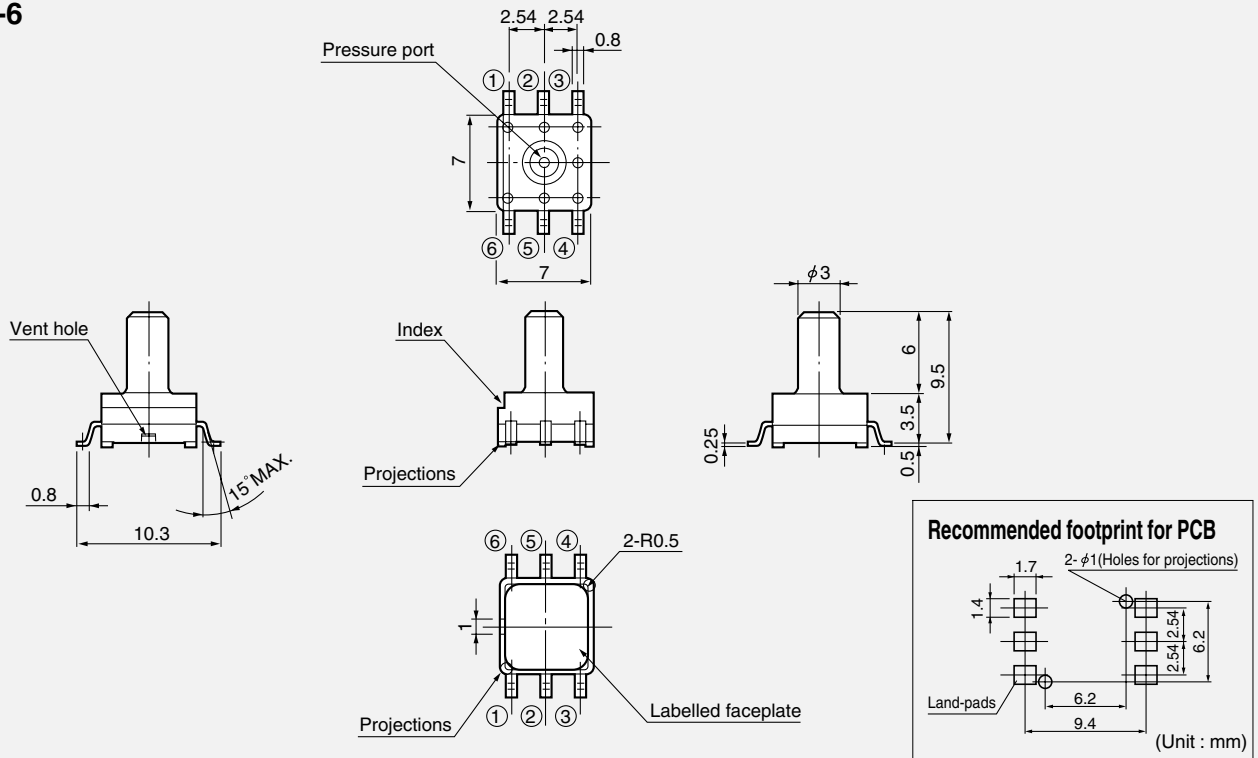
Unit : mm

X3GM-3

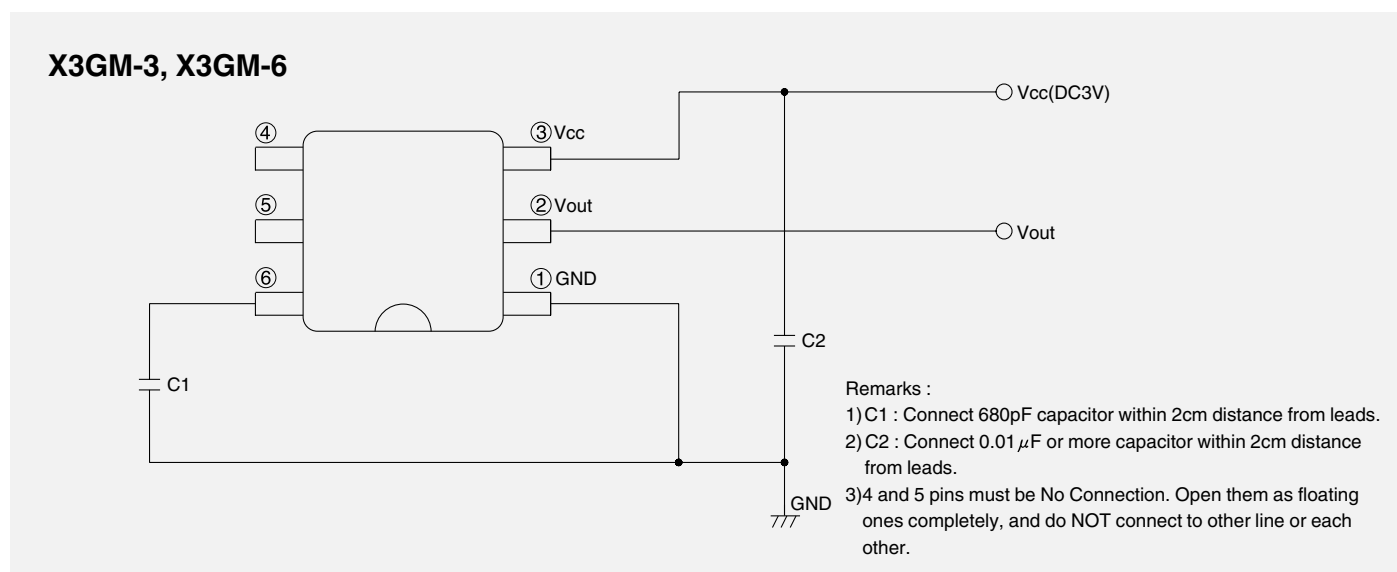


X3GM-6

Unit : mm



## ■ Connection diagram ■



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 us.  
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