

Features

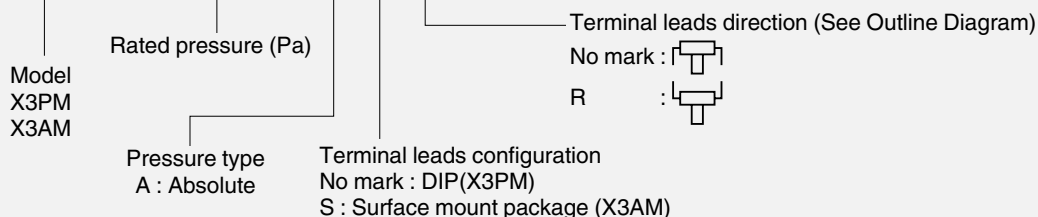
- 3V excitation, Battery operation available
- Volt level output
- On-chip amplification and temperature compensations
- Pre-calibration of offset voltage and span

Applications

- Industrial instrumentation
- Medical device
- Barometer, Altimeter
- Altitude compensation

Part number for ordering

X3AM - 115KP A S R



Pressure type	Absolute pressure	
	X3PM	X3AM
Model		
Package configuration	Dual-In-line-Package (DIP)	Surface mount package

Measurable pressure range (kPa)	Part number for ordering		
15~115	X3PM-115KPA	X3PM-115KPAR	X3AM-115KPASR

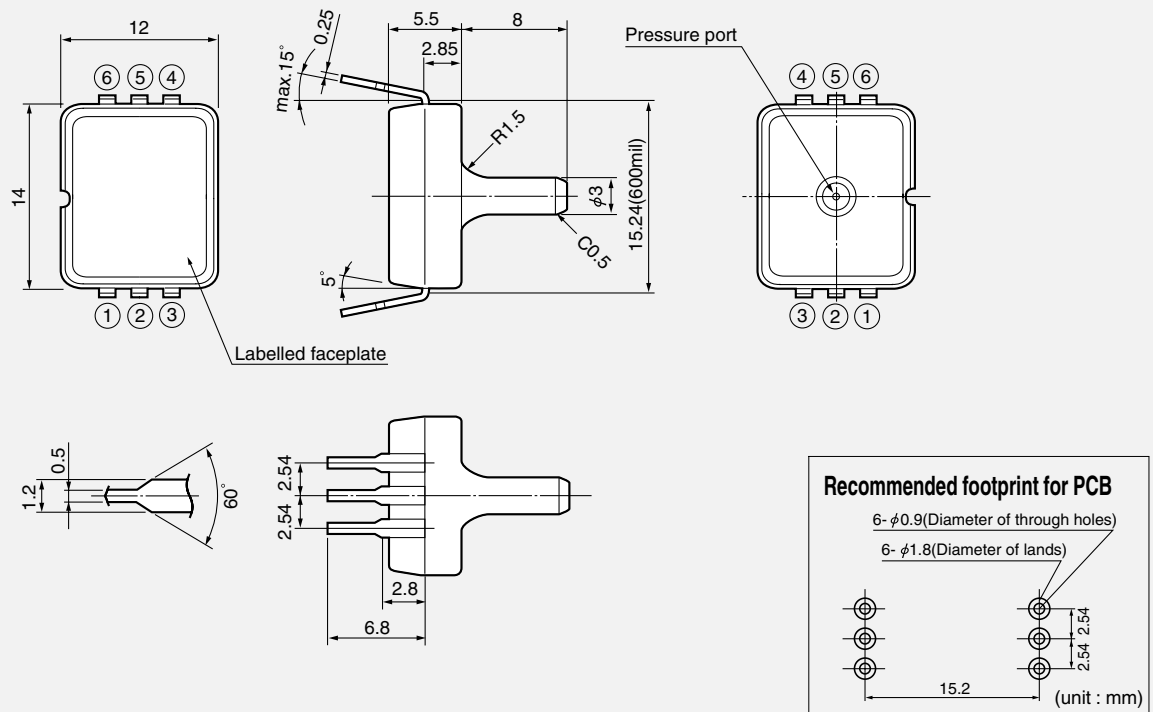
Specifications

Model/Rated pressure	115KPA	Unit
Recommended operating conditions		
Pressure type	Absolute pressure	—
Rated pressure	115	kPa-abs
Measurable pressure range	15~115	kPa-abs
Pressure media	Non-corrosive gas only	—
Excitation voltage	3.0±0.3	VDC
Absolute maximum rating		
Maximum load pressure	Twice 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
Electric performances/characteristics (Excitation voltage Vcc=3.0V constant, Ambient temperature Ta=25°C)		
Current consumption	less than 6	mA
Output impedance	less than 10	Ω
Source current	less than 0.2	mA
Sink current	less than 1	mA
Mechanical response time	2 (For the reference)	msec
Full scale span voltage	1.5	V
Offset voltage ※	0.5±0.0375	V
Full scale span voltage ※	2.0±0.0375	V
Accuracy ※	±2.5	%FS/0~50°C

Note ; ※ Excluding input voltage error.

Unit : mm

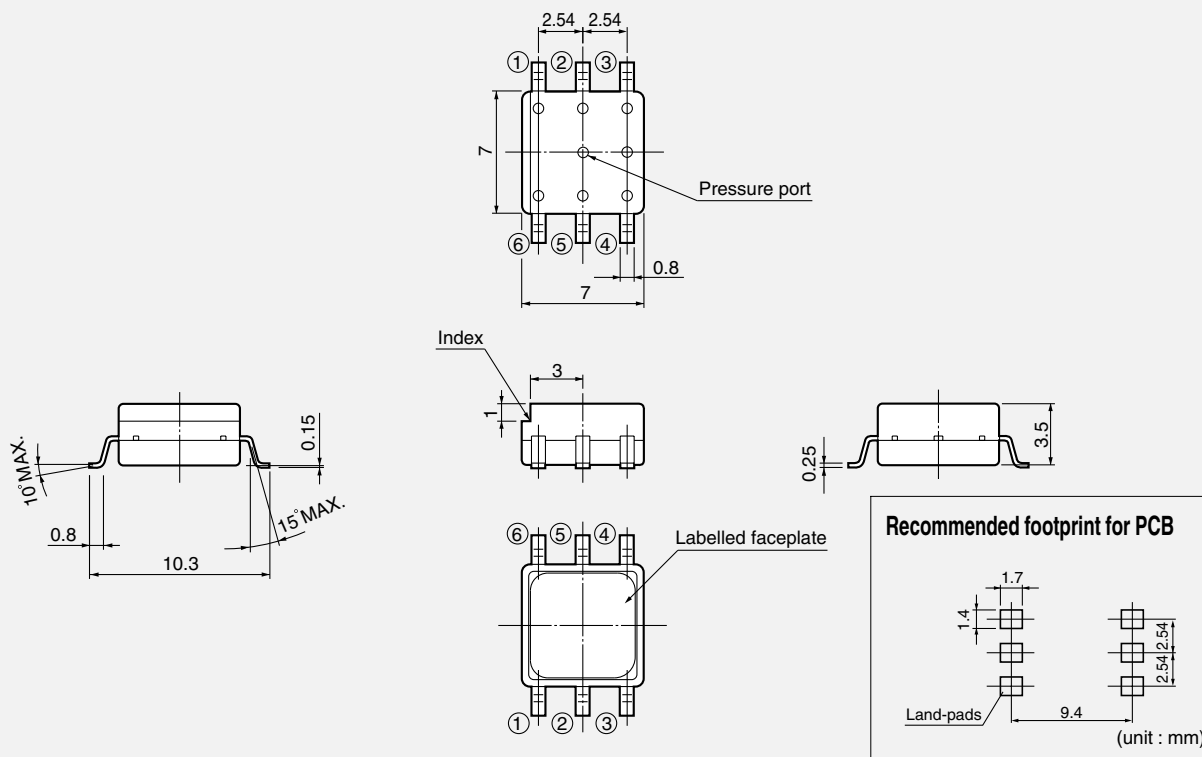
Unit : mm



Outline dimensions

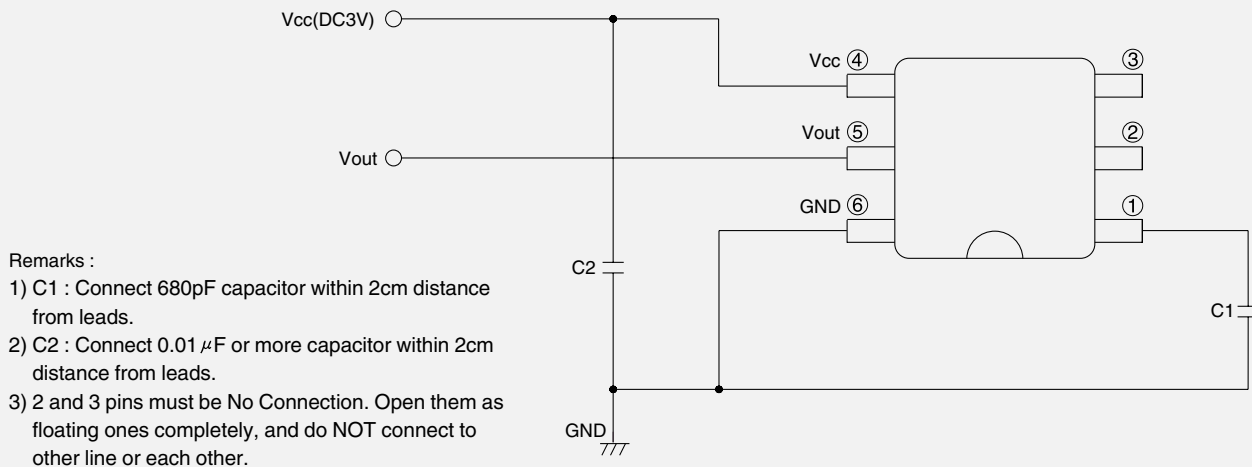
Unit : mm

X3AM

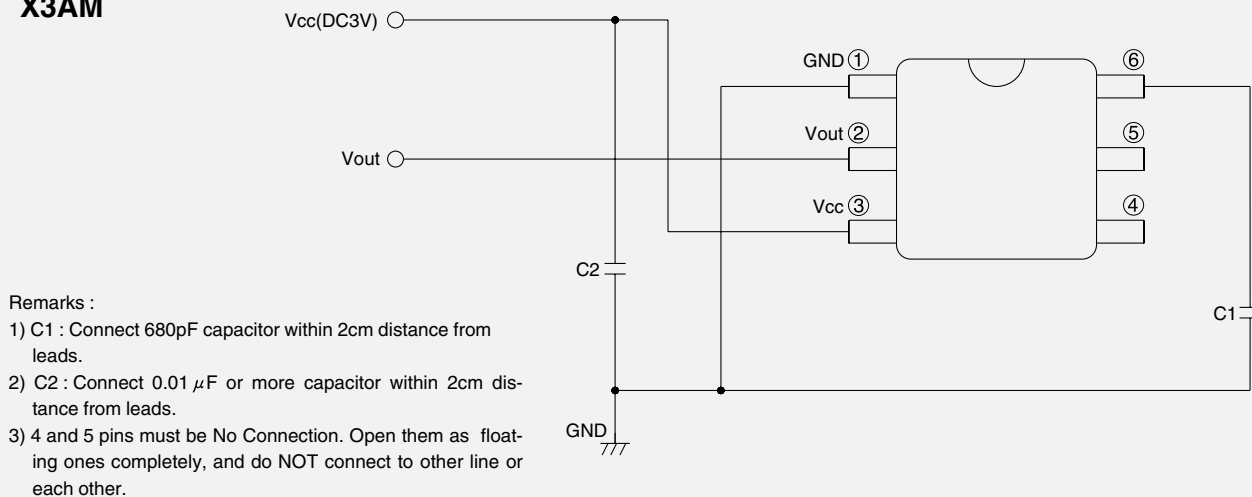


■ Connection diagram ■

X3PM (Absolute pressure)



X3AM



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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