# XFPM(MAP) Data sheet

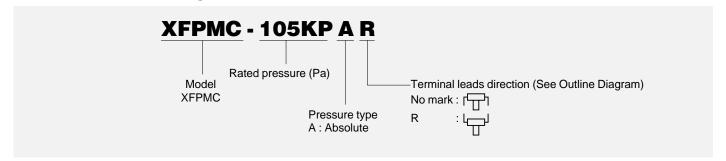
#### Features

- · Accuracy, ±1.8%FS
- Gasoline vapor measurable
- · Volt level output
- On-chip amplification and temperature compensations
- Pre-calibration of offset voltage and span

## ■Part number for ordering

## **■**Applications

- · Automotive system
- · Industrial instrumentation
- · Medical device
- · Barometer, Relative altimeter
- · Altitude compensation



Pressure type	Absolute pressure	
	XFPMC	
Model	0327 Fujikura Fujikura KPM-050KPG KPM-050KPG MPAN	
Package configuration	Dual-In-line-Package (DIP)	

Measurable pressure range (kPa)	Part number for ordering
17~105	XFPMC-105KPA
	XFPMC-105KPAR

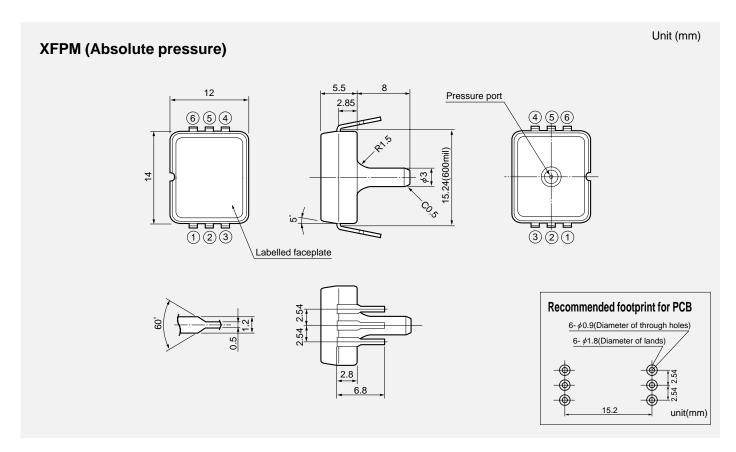
### Specifications

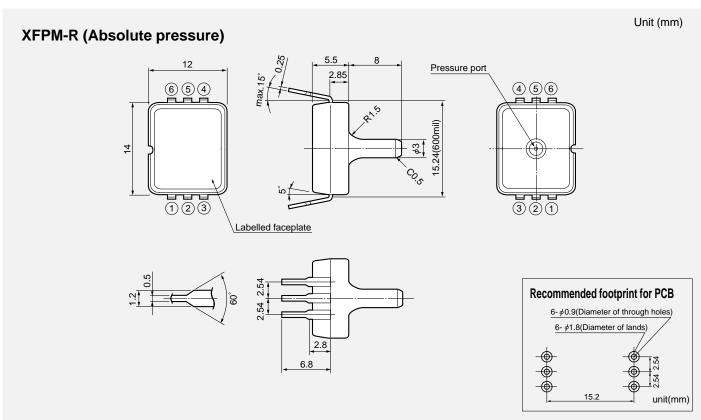
Model/Rated pressure	105KPA	Unit		
Recommended operating conditions				
Pressure type	Absolute pressure	_		
Rated pressure	105	kPa-abs		
Measurable pressure range	17 <i>∼</i> 105	kPa-abs		
Pressure media	Air & Gasoline vapor	_		
Excitation voltage	5±0.25	VDC		
Absolute maximum rating				
Maximum load pressure	Twice of rated pressure	kPa.abs		
Maximum excitation voltage	8	VDC		
Operating temperature	<b>−</b> 40 <i>∼</i> 125	°C		
Storage temperature	<b>−</b> 40∼125	°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 10	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	4.5	V		
Offset voltage ※	0.25±0.081	V		
Full scale span voltage 🔆	4.75±0.081	V		
Accuracy ※	±1.8	%FS/0~85℃		

Note ;  $\ensuremath{\,\%\,}$  Excluding input voltage error.



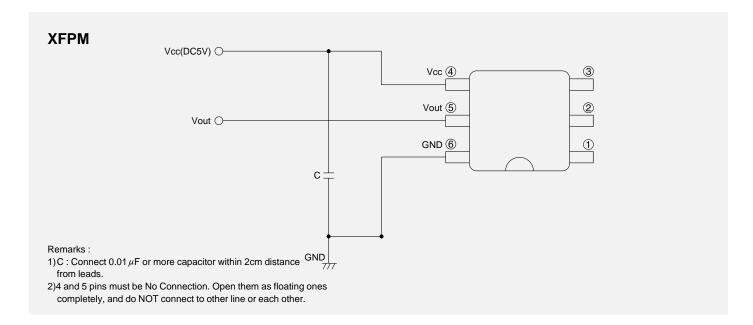
### ■ Outline dimensions



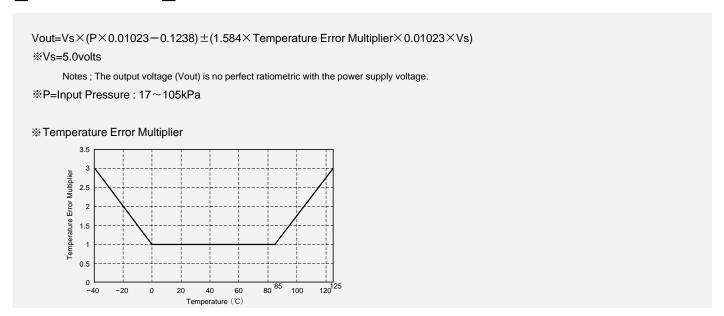




## ■ Connection diagram



#### Transfer Function



Note; Please read instruction "Notes" before using the sensor.

Fujikura reserves the right to change specifications without notice.

# Fujikura Ltd.

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