

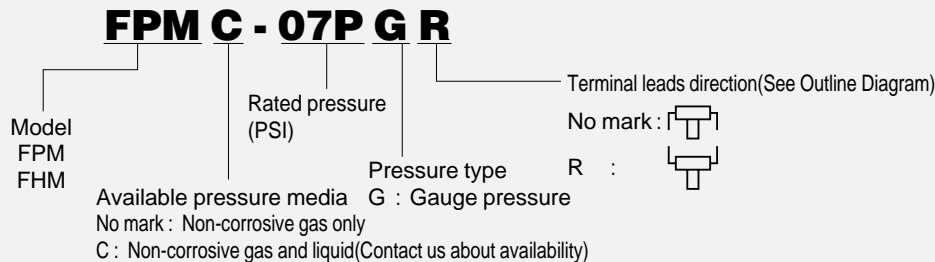
Features

- Dual-In-line-Package(DIP)or Horizontal pressure port, Easy to mount on PCB
- Vacuum pressure measurable
- Non-corrosive liquid measurable(FPMC/FHMC available)

Applications

- Industrial instrumentation
- Pressure switch, Pneumatic device
- Medical device
- Turbo boost pressure measurement for Automotive system

Part number for ordering



Pressure type	Gauge pressure	
	FPM	FHM
Model		
Package configuration	Dual-In-line-Package(DIP)	Horizontal pressure port DIP

Measurable pressure range(kPa)	Part number for ordering			
	FPM	FPM	FHM	FHM
-13.79~13.79	FPM-02PG	FPM-02PGR	FHM-02PG	FHM-02PGR
-34.47~34.47	FPM-05PG	FPM-05PGR	FHM-05PG	FHM-05PGR
-48.26~48.26	FPM-07PG	FPM-07PGR	FHM-07PG	FHM-07PGR
-98.07~103.4	FPM-15PG	FPM-15PGR	FHM-15PG	FHM-15PGR
-98.07~206.8	FPM-30PG	FPM-30PGR	FHM-30PG	FHM-30PGR
-98.07~344.7	FPM-50PG	FPM-50PGR	FHM-50PG	FHM-50PGR
-98.07~482.6	FPM-70PG	FPM-70PGR	FHM-70PG	FHM-70PGR
-98.07~827.4	FPM-120PG	FPM-120PGR	FHM-120PG	FHM-120PGR

Specifications

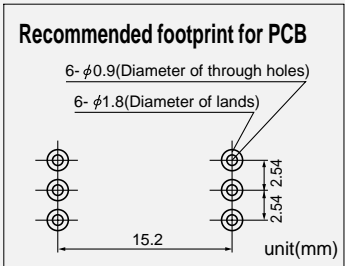
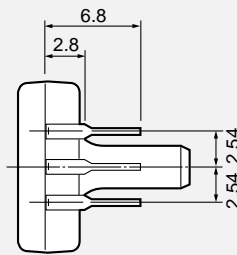
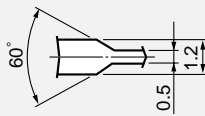
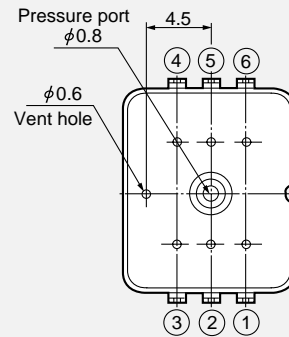
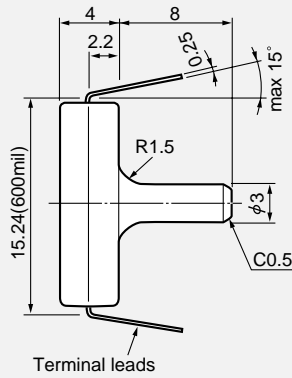
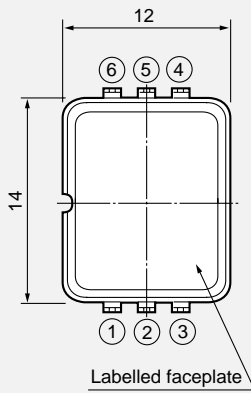
Model/Rated pressure	02PG	05PG	07PG	15PG	30PG	50PG	70PG	120PG	unit
Recommended operating conditions									
Pressure type	Gauge pressure								—
Rated pressure	13.79	34.47	48.26	103.4	206.8	344.7	482.6	827.4	kPa
	0.141	0.352	0.492	1.055	2.109	3.516	4.922	8.437	kg/cm ²
Measurable pressure range	-13.79 ~13.79	-34.47 ~34.47	-48.26 ~48.26	-98.07 ~103.4	-98.07 ~206.8	-98.07 ~344.7	-98.07 ~482.6	-98.07 ~827.4	kPa
Pressure media ※	FPM, FHM : Non-corrosive gas only, FPMC, FHMC : Non-corrosive gas and liquid								—
Excitation current(Constant)	1.5								mADC
Absolute maximum rating									
Maximum load pressure	Twice of rated pressure							1.5times of rated pressure	—
Maximum excitation current	3								mADC
Operating temperature	-20~100								°C
Storage temperature	-40~120								°C
Operating humidity	30~80(No dew condensation)								%RH
Electric performances/characteristics(Excitation current I=1.5mA constant, Ambient temperature Ta=25°C)									
Full scale span voltage	60~140								mV
Offset voltage	±20								mV
Bridge impedance	4000~6000								Ω
Mechanical response time	2(For the reference)								msec
Accuracy	Temperature sensitivity of offset(TSO)	±5							%FS/0~50°C
	Temperature coefficient of sensitivity(TCS)	2.5							%FS/0~50°C
	Linearity	±0.5			±0.3		±0.5	±0.6	%FS
	Pressure hysteresis	±0.4			±0.2		±0.4		%FS

Please consult us available liquid pressure media when you choose the C models.

Outline dimensions

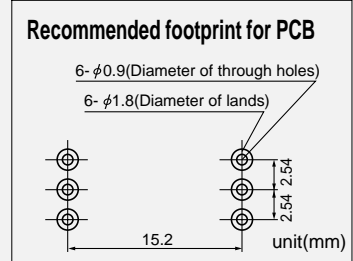
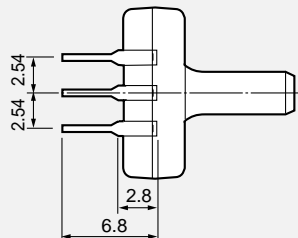
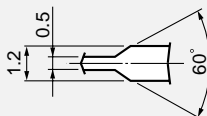
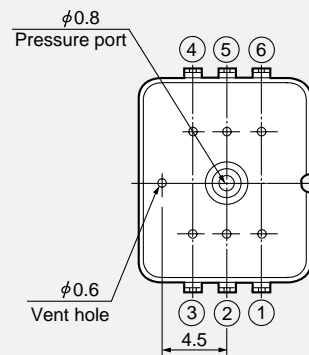
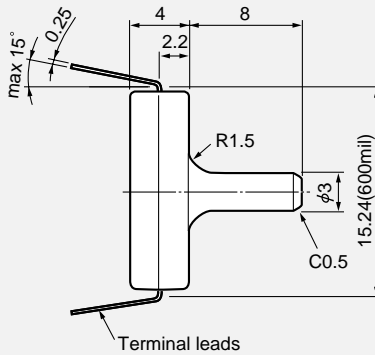
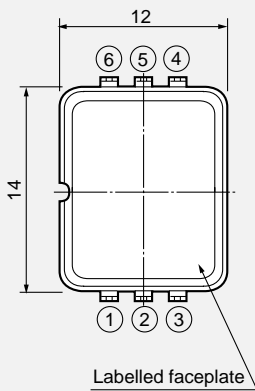
unit(mm)

FPM



FPM-R

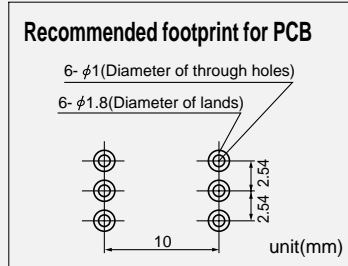
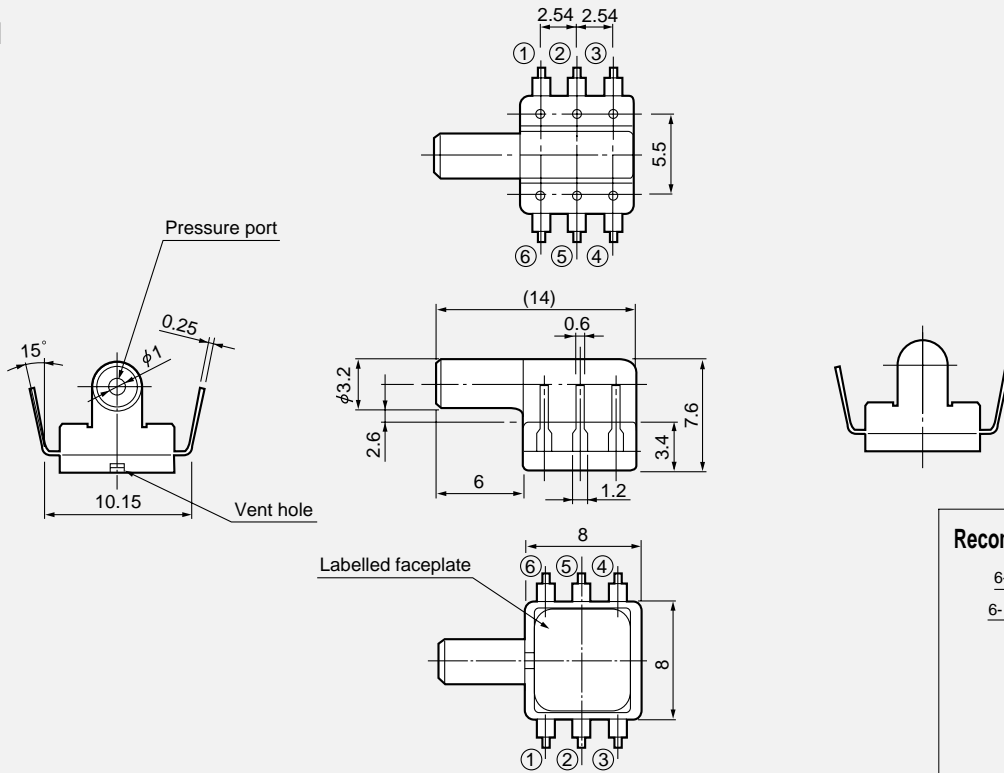
unit(mm)



■ Outline dimensions ■

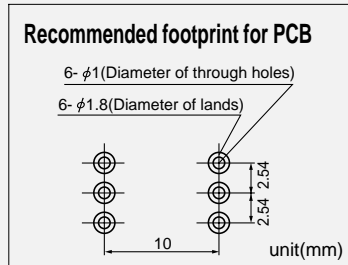
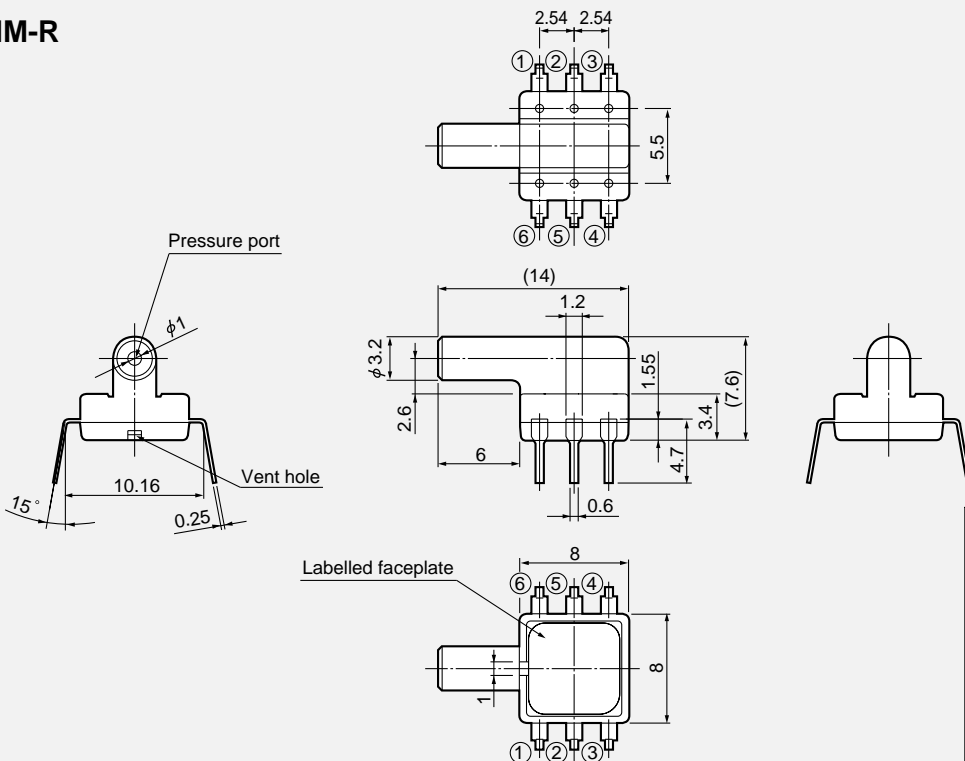
FHM

unit(mm)

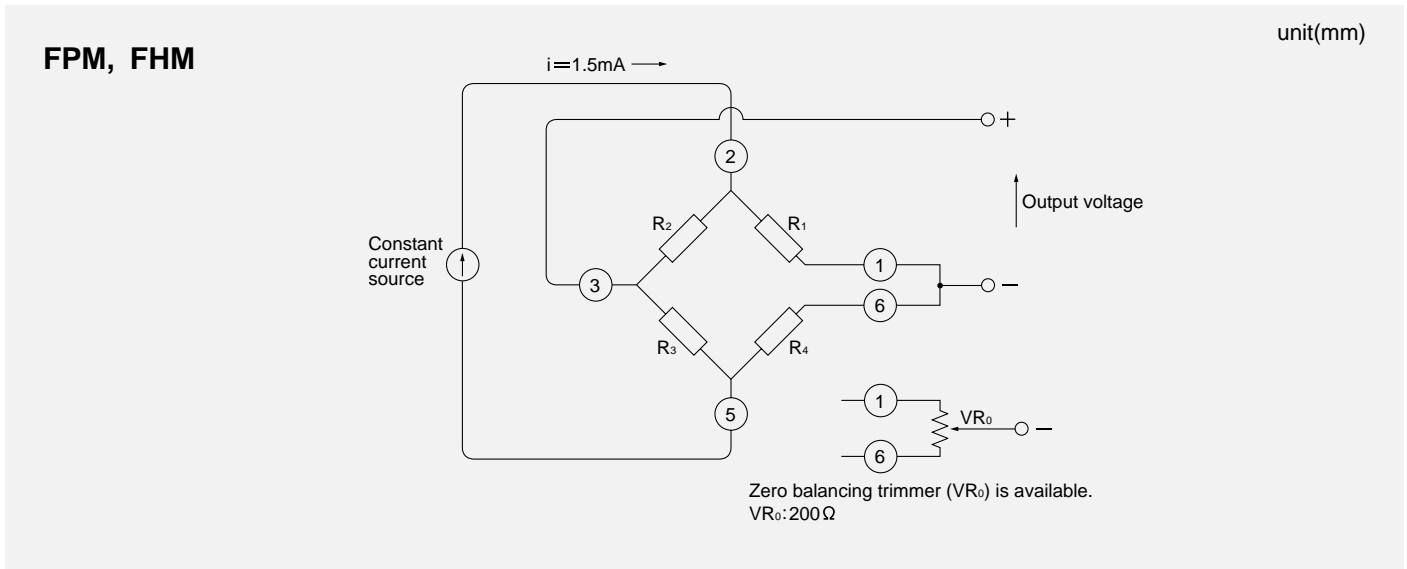


FHM-R

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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