



Pressure Sensor

Module

Model No. HPM-**-***

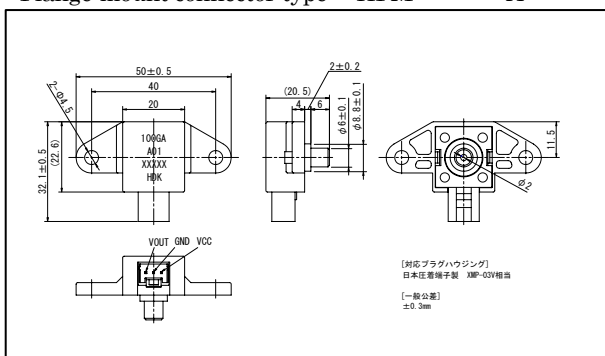
This pressure sensor, fabricated with advanced semiconductor micromachining technology, is highly sensitive and highly precise and meets a variety of customer needs. Custom product is also flexibly available to fit the needs.

■ Features

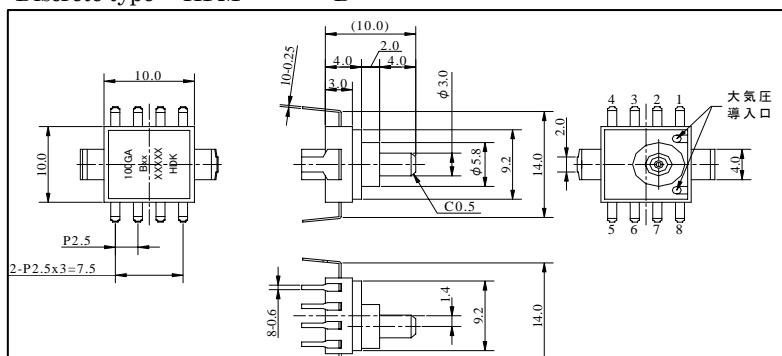
- Analog output, Digital output (frequency output) available
- Perform various digital compensation by built-in EEPROM, High precision • High stability
- Low current consumption: 1mA Max.
- Flange-mount connector type, Discrete type

■ Outline Dimension

Flange-mount connector type: HPM-**-A**



Discrete type: HPM-**-B**



■ Basic Specification

1. Absolute Maximum Rating

Item	Rating		Unit	Remark
	MIN	MAX		
Storage Temperature Range	-40	85	°C	
Operating temperature Range	-10	60	°C	
Operating Humidity Range	0	95	%RH	
Operating Voltage Range	-0.3	6.5	V	Base Vdd = 5[V] Flange-mount type can operate at Vdd = 12[V].
Measurable Pressure Range	-90	980	kPa	

2. Electrical Characteristics (Vdd = 5[V], -10~60°C, -29.4~68.6kPa)

Item	HPM-100GD-A01	HPM-100GA-A01	HPM-100GA-B01
	Output Form: Frequency		Output Form: DC
Current Consumption	TYP 0.7 mA、 MAX 1.0 mA		
Output Function	26-[a×[P【kPa】+29.4]] -Output at 29.4kPa = 26kHz Output at 68.6kPa = 6kHz a = 20/98【kHz/kPa】	0.5+[a×[P【kPa】+29.4]] -Output at 29.4kPa = 0.5V Output at 68.6kPa = 4.5V a = 4/98【V/kPa】	
Output Accuracy	±2% FS		

■ Model Designation

HPM - **G* - **
① ② ③ ④

- ① : Model No.
- ② : Full span pressure
- ③ : Output type (A : Analog, D : Digital)
- ④ : Shape, Custom spec No.
(A: Flange-mount type, B: Discrete type)