

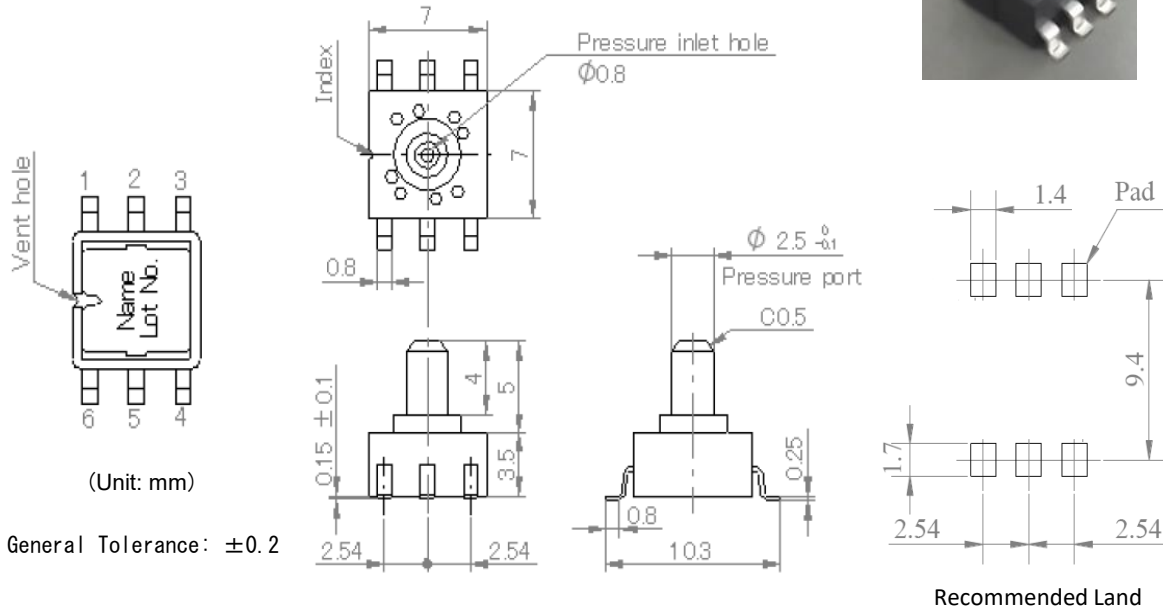
Model No. HPD-XXXG-R03

Our pressure sensors, utilizing MEMS technology and applying the piezoresistive effect, boast a shipment record of over 40 million units since 1993. Our piezoresistive technology, cultivated over many years, has earned high acclaim as a sensor offering not only Reliability but also high-level performance.

■ Applications

Electronic blood pressure monitors, Medical Equipment, industrial measurement, industrial air conditioning equipment

■ Outline Drawing



■ Basic Specifications

Item	Rated		Unit	Remarks
	HPD-100G-R03	HPD-1000G-R03		
Model	HPD-100G-R03	HPD-1000G-R03		
Absolute Maximum Rated				
Pressure Type	Gauge Pressure			
Pressure Medium	Non-corrosive gas			
Maximum Applied Pressure	500	2000	kPa	
Maximum Drive Current	3		mA	DC
Storage Temperature Range	-40~+120		°C	
Operating Temperature Range	-20~+100		°C	
Electrical Characteristics (Ta = 25°C)				
Rated Pressure	100	1000	kPa	
Drive Current	1.5		mA	
Bridge Resistance	5±1		kΩ	
Offset Voltage	±20		mV	
Span voltage	100±40 (at 0 to 100 kPa)	100±40 (at 0 to 1000 kPa)	mV	
Pressure Linearity	±0.3	±0.6	%FS	
Pressure Hysteresis	±0.2	±0.4	%FS	
Offset Voltage Temperature Characteristics	±5		%FS	0~50°C
Span Voltage Temperature Characteristics	±2.5		%FS	0~50°C