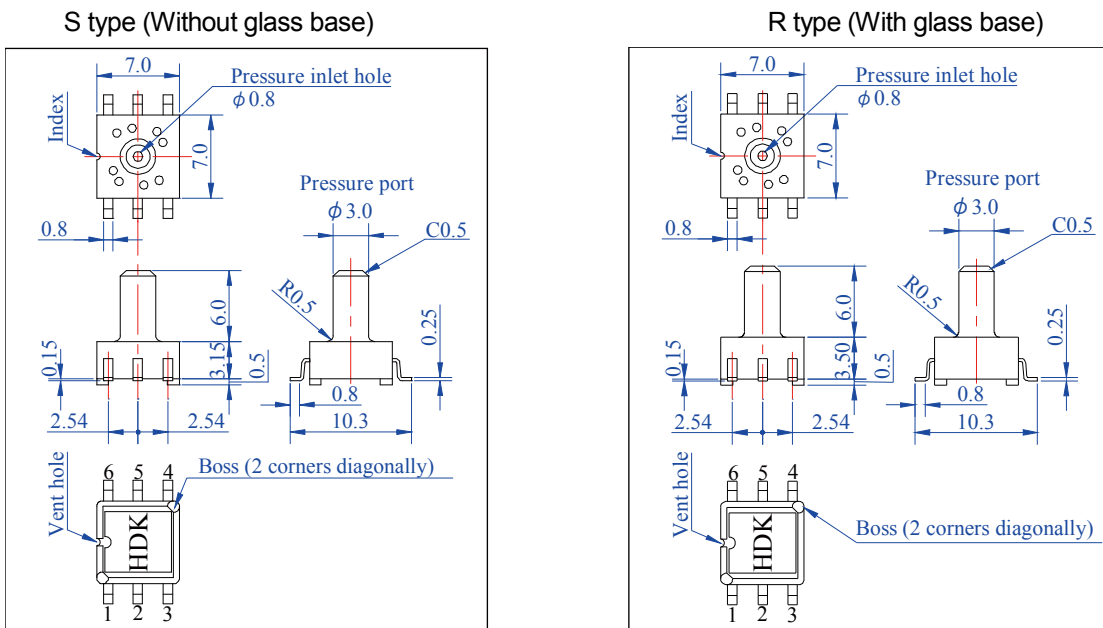




Model No. HPD- XXXG

Our pressure sensor which applied piezo-resistive effect on MEMS technology as a core, has been mass-produced and shipped more than 40 million pieces since 1993. We have gained high reputation for long-nurtured piezo resistor technology as sensor of high performance and high reliability.

- Application Electronic blood pressure meter, Medical equipment, Industrial measurement, Industrial air-conditioning equipment
- Outline Dimension



■ Basic specification

Maximum Rating

Item	Rating		Unit	Remark
Pressure Type	Gauge pressure			
Pressure Media	Non-corrosive gas			
Maximum Applicable Pressure	2 × rated pressure (1000kPa type: 1.5 x rated pressure)		kPa	
Maximum Drive Current	3mA DC		mA	
Operating Temperature Range	-5 ~ +50	-5 ~ +50	°C	
Storage Temperature Range	-20 ~ +70	-40 ~ +120	°C	

Electrical Characteristics (Ta=25°C)

Item	Rating			Unit	Remark
	40GF-S2	100G-R02	1000G-R02		
Rated Pressure	0	100	1000	kPa	
Drive Current	1	1.5	1.6	mA	
Bridge Resistance	5±1	5±1	5±1	kΩ	
Offset Voltage	±10	±20	±20	mV	
Span Voltage	75±15	100±40	100±40	mV	
Pressure Linearity	±0.15	±0.3	±0.3	%FS	
Pressure Hysteresis	±0.3	±0.2	±0.4	%FS	
Offset Voltage Temperature Characteristics	±5	±5	±5	%FS	0~50°C
Span Voltage Temperature Characteristics	±2	±2.5	±2.5	%FS	0~50°C