



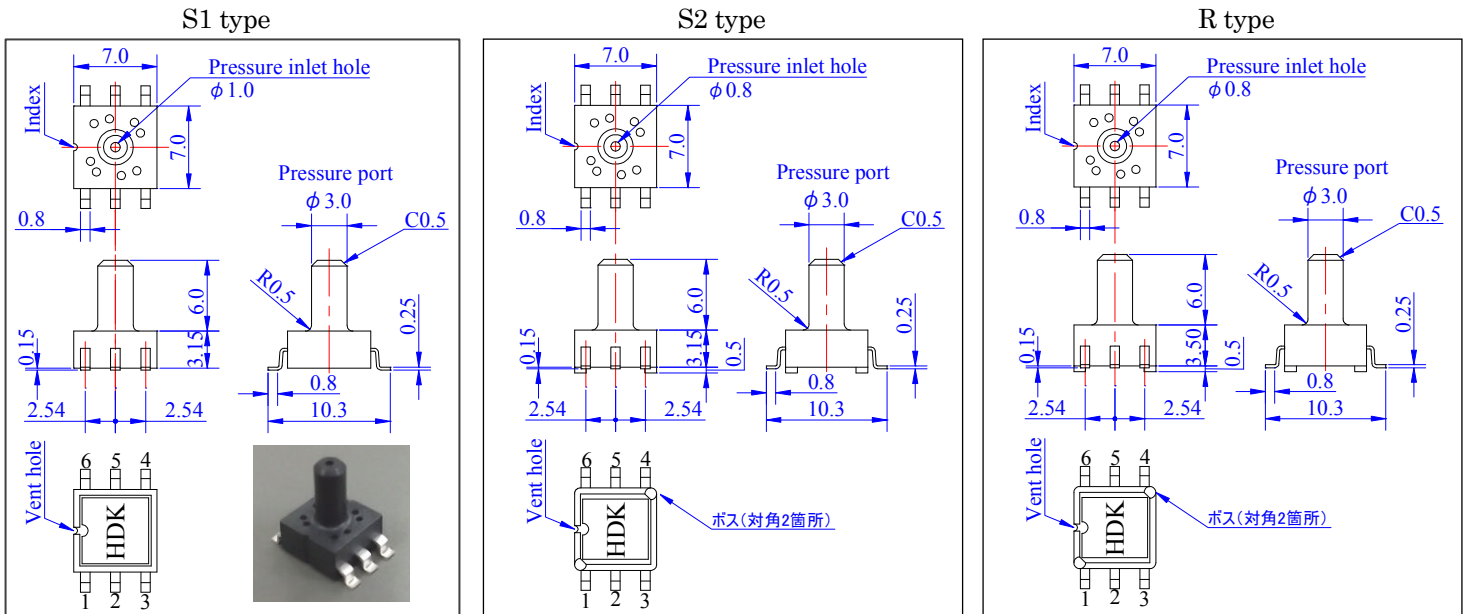
Pressure Sensor

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	40GF-S1,S2	100G-R01	1000G-R01	Unit	Remark
Pressure type	Gage pressure				
Pressure media	Non-corrosive gas				
Maximum applicable pressure	Rated pressure × 2		Rated × 1.5	kPa	
Maximum drive current	3mA DC			mA	
Operating temperature range	-5 ~ +50	-30 ~ +85		°C	
Storage temperature range	-20 ~ +70	-40 ~ +120		°C	

Electrical characteristics (Ta=25°C)

Item	40GF-S1, S2.	100G-R01	1000G-R01	Unit	Remark
Rated pressure	40	100	1000	kPa	
Drive current	1	1.5	1.5	mA	
Bridge resistance	5	3.3	3.3	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 temp.characteristic	±5	±5	±5	%FS	0~50°C
Span voltage temp.characteristic	±2	±2.5	±2.5	%FS	0~50°C