



Semiconductor Pressure Sensor / SSP11 Series

FEATURES

The SSP11 series is a small plastic package type.

·Terminal types are DIP and SMD.

·Semiconductor pressure sensor with built-in amplification and temperature compensation circuit.

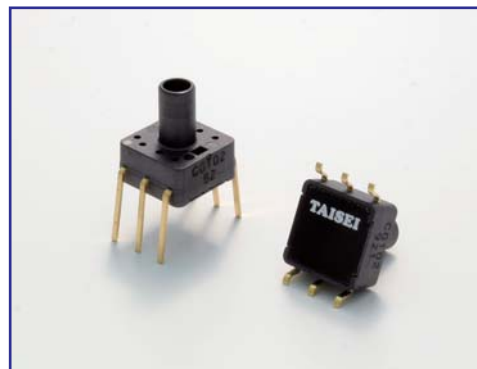
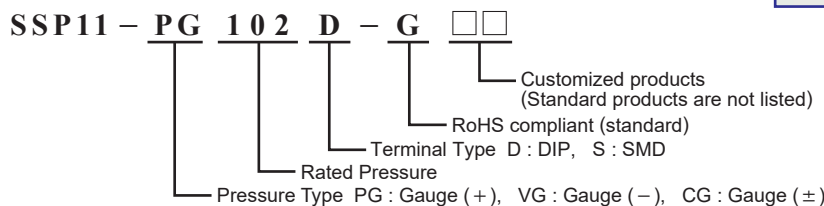
·Main applications

[General use] AV Products, Home Appliances, Office Equipment, Information and Communication Equipment, etc.

[Industrial use] Pressure Switches, Pneumatic Equipment, Compressed Air Pressure Measurement, etc.

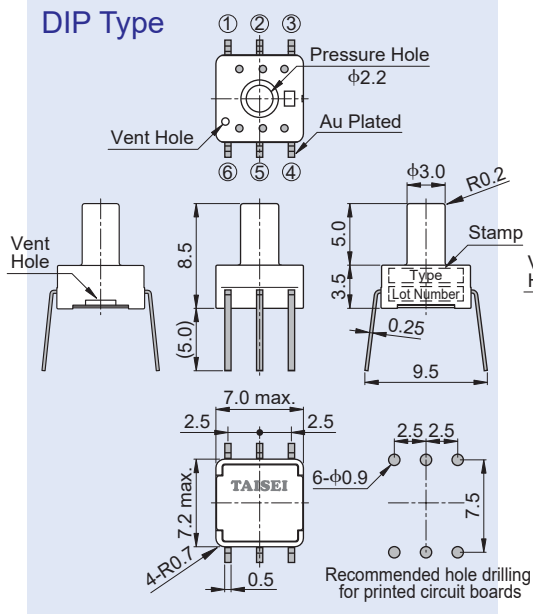
[Medical use] Sphygmomanometer, Oxygen Concentrators, Air Beds, etc.

MODEL

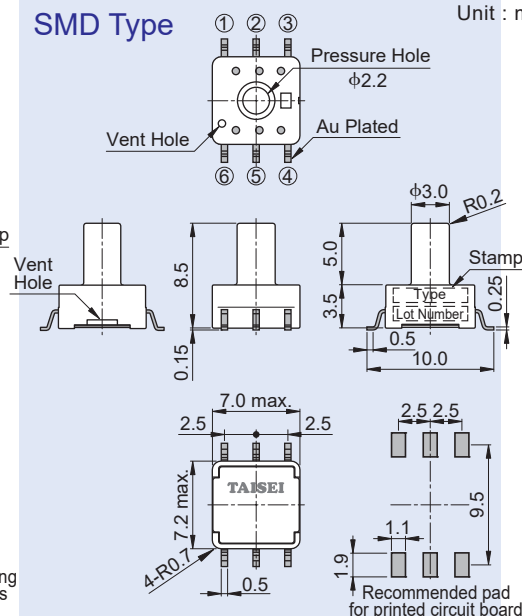


EXTERNAL DIMENSIONS AND TERMINAL ARRANGEMENT

DIP Type



SMD Type

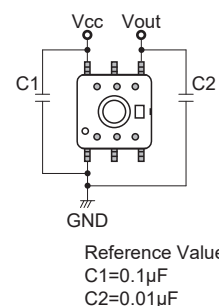


Unit : mm Tolerance ± 0.3 mm

No.	Signal Name	Name
①	Vcc	Power Input
②	NC	Unconnected
③	Vout	Output Voltage
④	NC	Unconnected
⑤	NC	Unconnected
⑥	GND	GND

*Do not connect anything to the NC.

Recommended Circuit



SPECIFICATIONS

Model No.		CG102	VG102	PG501	PG102	PG202	PG502	PG103
Terminal Type	D (DIP)	○	○	○	○	○	○	○
	S (SMD)	○	○	No Description	○	○	○	○
Rated Pressure	[kPa]	± 100	-100	50	100	200	500	1000
Maximum Overload Pressure		Rated Pressure $\times 3$						Rated Pressure $\times 1.5$
Pressure Type		Gauge						
Pressure Medium		Non-Corrosive Gases						
Operating Temperature Range	[$^{\circ}\text{C}$]	$-20 \sim +85$ (No Freezing and Condensation)						
Compensation Temperature Range	[$^{\circ}\text{C}$]	$0 \sim +60$ (No Freezing and Condensation)						
Supply Voltage	[V]	5 ± 0.25						
Offset Voltage *1,2,3	[V]	2.5			0.5			
Rated Output Voltage *1,2,3	[V]	4.5 (At +100kPa)			4.5			
Total Accuracy *1,2	[%FS]	± 1.25						
Maximum Current Consumption *1	[mA]	10 or less						

NOTE *1 Shows the characteristics at a supply voltage of 5.0 V. The value will fluctuate due to voltage fluctuations, but the error is not included. Unless otherwise specified, results are measured at 25°C .

*2 Output accuracy values are those at the time of our shipment.

*3 For stable use, please design that can compensate the zero point in case of offset voltage deviation.

Specifications of products are subject to change without notice.

e-ssp_series-06



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