

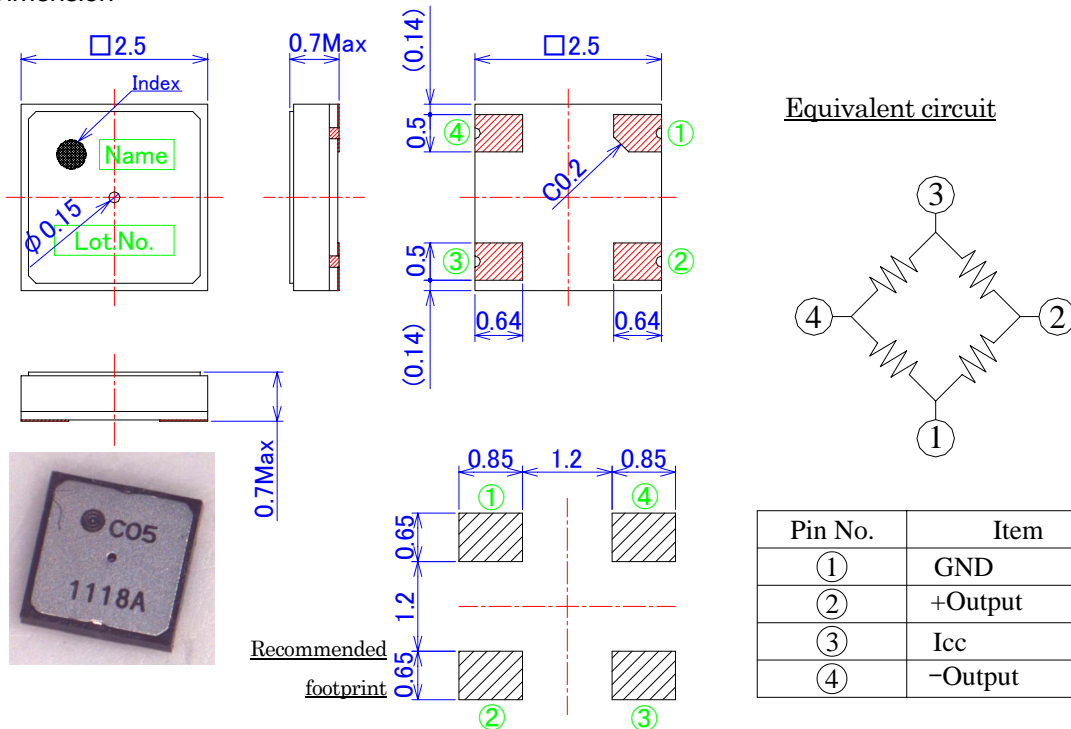


Barometric Pressure Sensor

Model No HPD-100A-C05

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.

Outline Dimension



Equivalent circuit

Pin No.	Item
①	GND
②	+Output
③	Icc
④	-Output

Basic-specification

Maximum Rating

Item	Rating	Unit	Remark
Pressure Type	Absolute pressure	—	
Pressure Range	25 ~ 300	kPa	
Maximum Drive Current	3	mA	
Operating Temperature Range	-20 ~ +85	°C	
Storage Temperature Range	-40 ~ +150	°C	

Electrical Characteristics (Icc=0.55mA, Ta=25°C)

Item	Rating			Unit	Remark
	Min.	Typ.	Max.		
Rated Pressure	50	~	110	kPa	
Drive Current	-	0.55	-	mA	
Bridge Resistance	4	5.5	7	kΩ	
Offset Voltage	73	79	85	mV	at 110kPa
Span Voltage	39	44	49	mV	
Pressure Linearity	-1	0	1	%FS	
Offset Voltage Temperature Characteristics	-2	3	8	%FS	at 110kPa
Span Voltage Temperature Characteristics	-2	2	6	%FS	