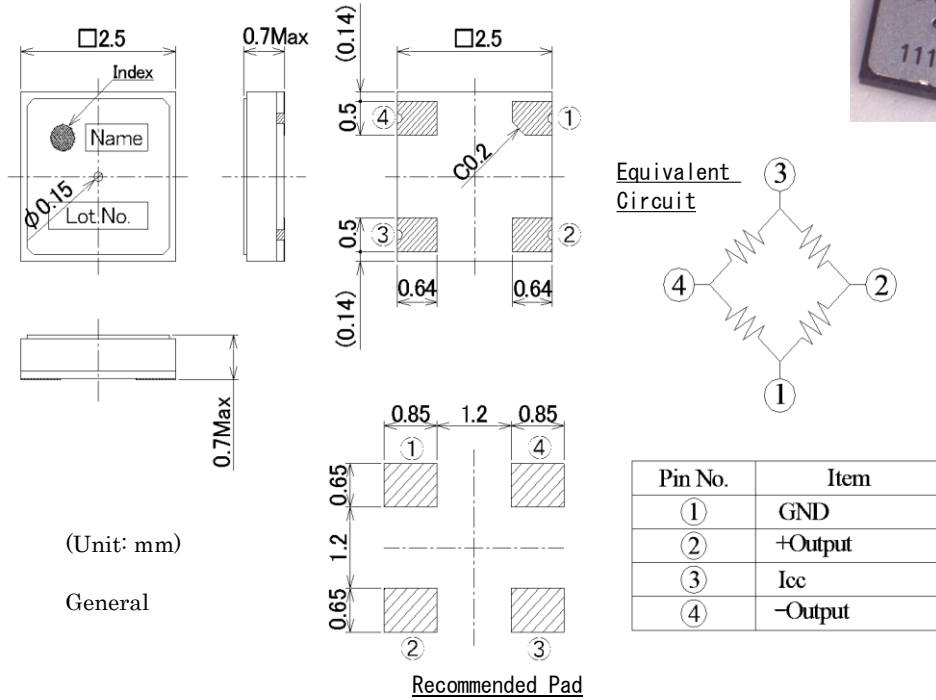


Model No. HPD-100A-C05L

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.

■Outline Drawing



■Basic Specifications

Maximum Rated

Item	Rated	Unit	Remarks
Pressure Type	Absolute Pressure	-	
Applied Pressure Range	25~300	kPa	
Maximum Drive Current	3	mA	
Operating Temp. Range	-20 ~ +85	°C	
Storage Temp. Range	-40 ~ +150	°C	

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

Item	Rated			Unit	Remarks
	Min.	Typ.	Max.		
Rated Pressure	50	-	110	kPa	
Drive current	-	0.55	-	mA	
Bridge Resistance	4	6	8	kΩ	
offset voltage	60	80	100	mV	at 110kPa
Span voltage	30	45	60	mV	
Pressure linearity	-1	0	1	%FS	
Offset Voltage Temp. Char.	-5	-	10	%FS	at 110kPa
Span voltage temp. Char.	-4	-	8	%FS	