PERFORMANCE SPECIFICATIONS

Supply Voltage: See application schematic

Ambient Temperature: 25°C (unless otherwise specified)

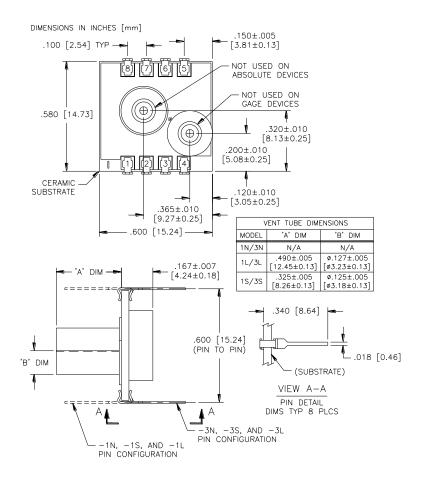
PARAMETERS	MIN	TYP	MAX	UNITS	NOTES
Span	49.5	50	50.5	mV	1
Zero Pressure Output	-2		2	mV	
Pressure Non Linearity	-0.1	±0.05	0.1	%Span	2
Pressure Hysteresis	-0.1	±0.01	0.1	%Span	
Input Resistance	2200	4000	5800	Ω	
Output Resistance		4200		Ω	
Temperature Error – Span	-0.5	±0.3	0.5	%Span	3
Temperature Error – Zero	-0.5	±0.1	0.5	%Span	3
Temperature Coefficient – Resistance		0.15		%/ºC	3
Thermal Hysteresis – Zero		±0.05		%Span	3
Short Term Stability (Offset & Span)		±0.05		%Span	4
Long Term Stability (Offset & Span)		±0.1		%Span	5
Supply Voltage Reference		1.235		V	1
Response Time (10% to 90%)		1.0		mS	6
Output Noise (10Hz to 1kHz)		1.0		μV p-p	
Pressure Overload			3X	Rated	7
Compensated Temperature	-20		+85	°C	
Operating Temperature	-40		+125	°C	
Storage Temperature	-50		+150	°C	
Weight			3	grams	
Solder Temperature	250°C Max 5 Se	ec.			
Media	Non-Corrosive Dry Gases Compatible with Silicon, Pyrex,				

RTV, Gold, Ceramic, Nickel, and Aluminum

Notes

- Refer to application schematic. 1.
- 2. Best fit straight line. Non Linearity for 2 PSI is $\pm 0.2\%$ 5 PSI is $\pm 0.50\%$.
- 3. Maximum temperature error between -20°C and +85°C with respect to 25°C.
- Short term stability over 7 days with constant current and temperature.
- 5. Long term stability over a one year period with constant current and temperature.
- For a zero-to-full scale pressure step change.
- 2X maximum for 100 psi device.

DIMENSIONS



CONNECTIONS

