

DATASHEET

SPD100ABhyb

last update
February 28, 2011

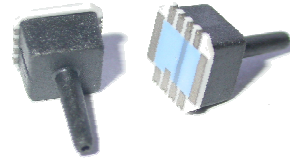
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HYBRID SERIES PRESSURE SENSORS

The hybrid series MEMS made piezoresistive pressure sensors provides a convenient way to use Surface mount technology with a flexible way of air connection. Due to the production process these sensors are ideal for high volume applications and automated assembly. Two kind of air connections are available, a cap with hole and a cap using 1/8" tube connection.

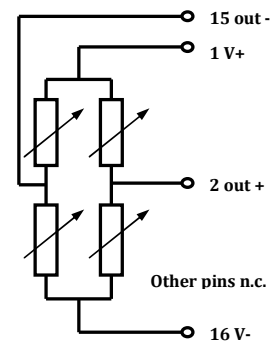
Available in: absolute version and gauge version; Pressure range 100 Psi Absolute.



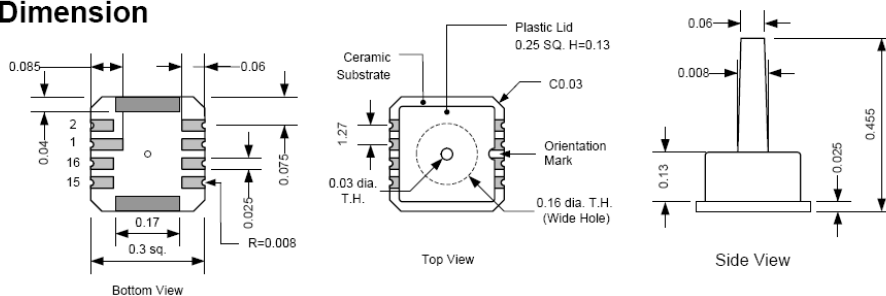
Electrical Characteristics

Performance Characteristic at $V_{cc} = 5V$ excitation @ 25 °C.

Parameter	Min	Typ	Max	Units.
Supply Voltage		5	10	V
Pressure range (fs)	0		100	psi
Offset	-30	0	30	mV
Span Output	70	100	130	mV
Bridge Impedance	4	5	6	K Ω
Linearity		± 0.3		%FS
TC Span (0-50 °C)	-14	-19	-24	%FS/100 °C
TC Offset (0-50 °C)		± 7		%FS/100 °C
Response time		1		ms
Pressure overload			3X	psi
Operating temperature	-40		85	°C
Storage temperature	-40		125	°C



Dimension



Note: All sizes in Inches
Max soldering 260 °C / 7 seconds



We are here for you. Addresses and Contacts.

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