



# ***Rocket MEMS™***

**Custom MEMS sensors that  
launch your product quickly**

**MEMS Pressure Sensors**

Customer-selected specs  
Production ready  
ISO-certified manufacturing

**Key Benefits**

Low cost  
< 6 month lead time  
High performance sensors  
Easy readout electronics

**Targeted Applications**

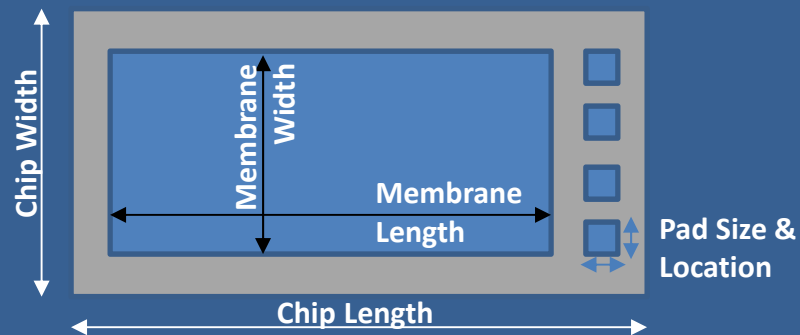
Consumer  
Medical  
Industrial

**Samples & evaluation kits available**

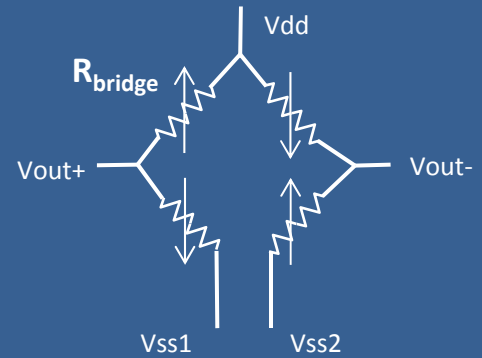
**More information: [www.amfitzgerald.com/rocketmems](http://www.amfitzgerald.com/rocketmems)**



# Customizable Pressure Sensor Parameters

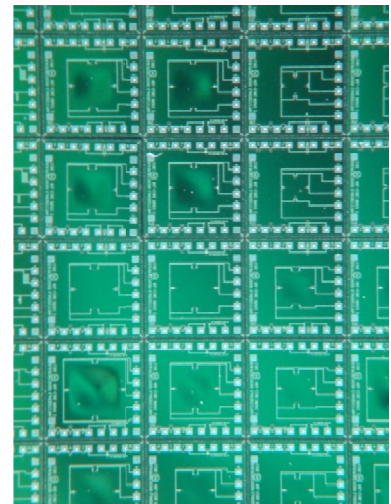
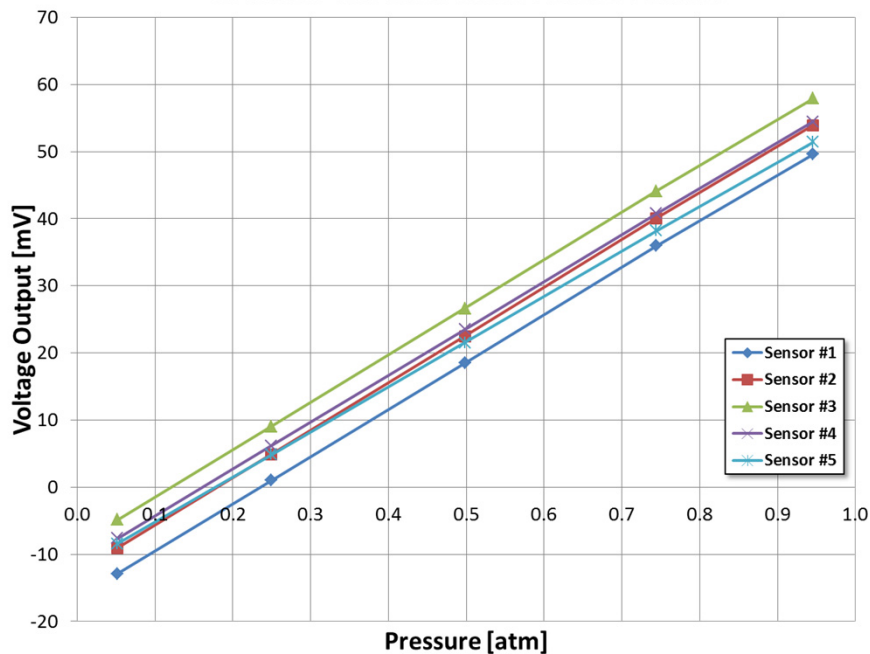


Die length, width, and thickness  
Membrane length, width, and thickness  
Pad location, size, and number



Pressure Sensitivity  
Bridge Resistance  
Full or Half Bridge

## Uncompensated, Unamplified Pressure Response of RocketMEMS Reference Pressure Sensors



Variety of Pressure Sensors on a Multi Project Wafer

## Example Sensor Specifications for Different Applications

Note: example ranges for the application. These are not performance limits of the process.

Application	Medical	Consumer	Industrial
Pressure Range (atm)	0.2 - 0.5 (150-380 mmHg)	0.2 - 2	0.2 - 10 (3-147 psi)
Resistor Value (kΩ)	1 - 10	3 - 5	1 - 10
Chip Edge Length (mm)	1 - 2	0.5 - 2	0.3 - 2
Chip Thickness (mm)	0.2 - 1	0.2 - 1	0.2 - 1



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