Model 601: Low Pressure Sensors

FEATURES

- -0.54psig ~0.18psig
- 1.5％FS Static Accuracy
- MEMS technology
- Programmable ASIC to meet customer specifications
- Low part count enhances reliability
- Amplified and temperature compensated
- EMI protection

DESCRIPTIONS

Model 601 incorporates MEMS technology and custom Application Specific Integrated Circuit (ASIC) technology in the design. It is specifically designed for tough automotive application.

Model 601 is designed to perform in the underhood harsh environment such as temperature extremes, vibration,thermal and mechanical shock, and corrosive chemical. Typical applications include Fuel Vapor, Air Filter Quality,and Occupant Sensing (bladder type). Please contact us for special design to meet your requirements.

SENSOR SPECIFICATIONS

Electrical:

Supply Voltage	5.0±0.5VDC
Supply Current	10mA max
Maximum Output Current	Sink 1mA
	Source 0.1mA
Output Impedance	10ohms max
Output Type	ratiometric
Output Voltage	4.5 to 0.5VDC at 5VDC excitation

Operating Characteristics:

Range	-0.54 psig — +0.18 psig
	-3.75 KPa — 1.25 KPa
	-0.038 bar — +0.013 bar
Proof Pressure	30KPa
Static Accuracy (%FS)	1 5 max.

Environmental Effects:

Compensated Temperature Range	-40℃ to +80℃
Storage Temperature Range	-50℃ to +150℃

Mechanical:

Media Compatibility Media Compatible with Silicon

Notes:

1. Static accuracy is the RSS of non-linearity, hysteresis, and non-repeatability.