

Model611:Manifold Absolute Pressure Sensor (MAP)

FEATURES

- 0.2 bar to 1.0 bar 0.2 bar to 2.0 bar 0.2 bar to 3.0 bar
- 1.5%FS Static Accuracy
- MEMS technology
- Programmable ASIC to meet customer specifications
- Low part count enhances reliability
- Amplified and temperature com
- EMI protection
- Available for turbo applications pensated



DESCRIPTIONS

Model 611 incorporates MEMS technology and custom Application Specific Integrated Circuit (ASIC)Technology in the design. It is specifically designed for tough automotive application.

Model 611 is designed to perform in the underhood harsh environment such as temperature extremes,vibration, thermal and mechanical shock, and corrosive chemical. Typical applications include manifold absolute pressure (MAP), barometric, EGR pressure and brake boost. Please contact us for special design to meet your requirements.

SENSOR SPECIFICATIONS

Electrical:

Supply Voltage	5.0±0.5 VDC
Supply Current	10 mA max
Maximum Output Current	Sink 1 mA Source 0.1 mA
Output Impedance	10 ohms max
Output Type	ratiometric
Output Voltage	0.25 to 4.85 VDC at 5VDC excitation

Sensor Operating Characteristics:

Range	0.2 bar to 1.0 bar 0.2 bar to 2.0 bar 0.2 ba r to 3.0 bar
Proof Pressure	200%FS
Static Accuracy (%FS)	1.5 typ.

Environmental Effects:

Compensated Temperature Range	-40°C to +135°C
Storage Temperature Range	-50°C to +150°C

Mechanical:

Media Compatibility Media Compatible with Silicon

APPLICATION:

Pressure range 100KR

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GENERALMOTORS	16212460, 16258659, 90063543, 93160018
ISUZU	8-16212-460-0
OPEL	4409668, 6238120, 6238159
RENAULT	7700106644
FIAT	71739292

Notes:

1. Static accuracy is the RSS of non-linearity, hysteresis, and non-repeatability
2. Please contact us for special design to meet your requirements.

