

Manifold Absolute Pressure Sensor (MAP 617)

FEATURES

- 0 to 1...4 bar Range
- 1.0%FS Accuracy
- MEMS technology
- Low part count enhances reliability
- Amplified and temperature compensated
- EMI protection
- Available for turbo applications



DESCRIPTIONS

Model 617 incorporates MEMS technology and custom Application Specific Integrated Circuit (ASIC) technology in the design. It is specifically designed for tough automotive application.

Model 617 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 4.75 VDC or customized

Sensor Operating Characteristics:

Range	0 to 1...4 bar
Proof Pressure	2X
Static Accuracy (%FS) ¹	1.0 typ.

Environmental Effects:

Operating Temperature	-40°C to +130°C
Storage Temperature	-40°C to +150°C

Mechanical:

Media Compatibility

Media Compatible with Silicon

Notes:

1. Static accuracy is the RSS of non-linearity, hysteresis, and non-repeatability
2. All values are typical at +24°C and 5V excitation unless otherwise stated.

Warning

1. Please make sure electrical connections accordance with the instruction
2. Please do not let the sensor working under the over load for a long time