Model613: 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%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 613 incorporates MEMS technology and custom Application Specific Integrated Circuit (ASIC)Technology in the design. It is specifically designed for tough automotive application.

Model 613 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 typ.

TEL: 86-755-83104666 FAX: 86-0755-83116697 Http://www.autosensor.com



Environmental Effects:

Compensated Temperature Range -40° C to $+135^{\circ}$ C Storage Temperature Range -50° C to $+150^{\circ}$ C

Mechanical:

Media Compatibility Media Compatible with Silicon

APPLICATION:

CITROEN 457403, 457405, 9639418980

FIAT 9639418980

PEUGEOT 1920 AC, 457403

RENAULT 963941898 BOSCH 0261230058

BOSCH 0261230057 CITEOEN 1920AN

FIAT 9631813680, 9639418880

PEUGEOT 1920 1K

RENAULT 9631813680, 9639418880

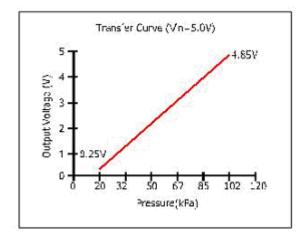
FACRT 10.3005

HELLA 6PP 009 400-161

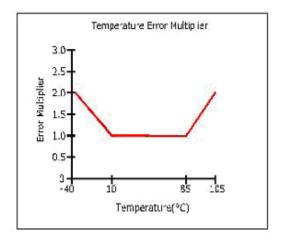
MEAT DORIA 82118

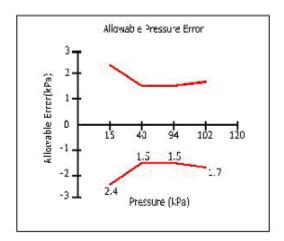
Notes:

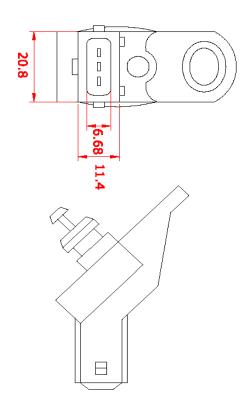
- 1. Static accuracy is the RSS of non-linearity, hysteresis, and non-repeatability
- 2. Please contact us for special design to meet your requirements.











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