

Model 612: Manifold Absolute Pressure Sensor(MAP)

FEATURES

- 0 bar to 1 bar ; 0 bar to 2 bar ; 0 bar to 3 bar
- 1.5%FS Static Accuracy
- MEMS technology
- Programmable ASIC to meet customer specifications
- Low part count enhances reliability
- Amplified and temperature compensated
- EMI protection
- Available for turbo applications



DESCRIPTIONS

Model 612 incorporates MEMS technology and custom Application Specific Integrated Circuit (ASIC) technology in the design. It is specifically designed for tough automotive application.

Model 612 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, ERG pressure and brake boost.

SENSOR SPECIFICATIONS

Electrical:

Supply Voltage	5.0 $\pm$ 0.1 V dc
Supply Current	10 mA dc max
Maximum Output Current	Sink 1 mA dc Source 0.1 mA dc
Output Impedance	<50 ohms
Output Voltage	0.25 to 4.85 V dc

Sensor Operating Characteristics:

Range	0 to 1 bar, 0 bar to 2 bar, 0 bar to 3 bar
Proof Pressure	200%FS
Static Accuracy (%FS) ₁	1.5typ.

Environmental Effects:

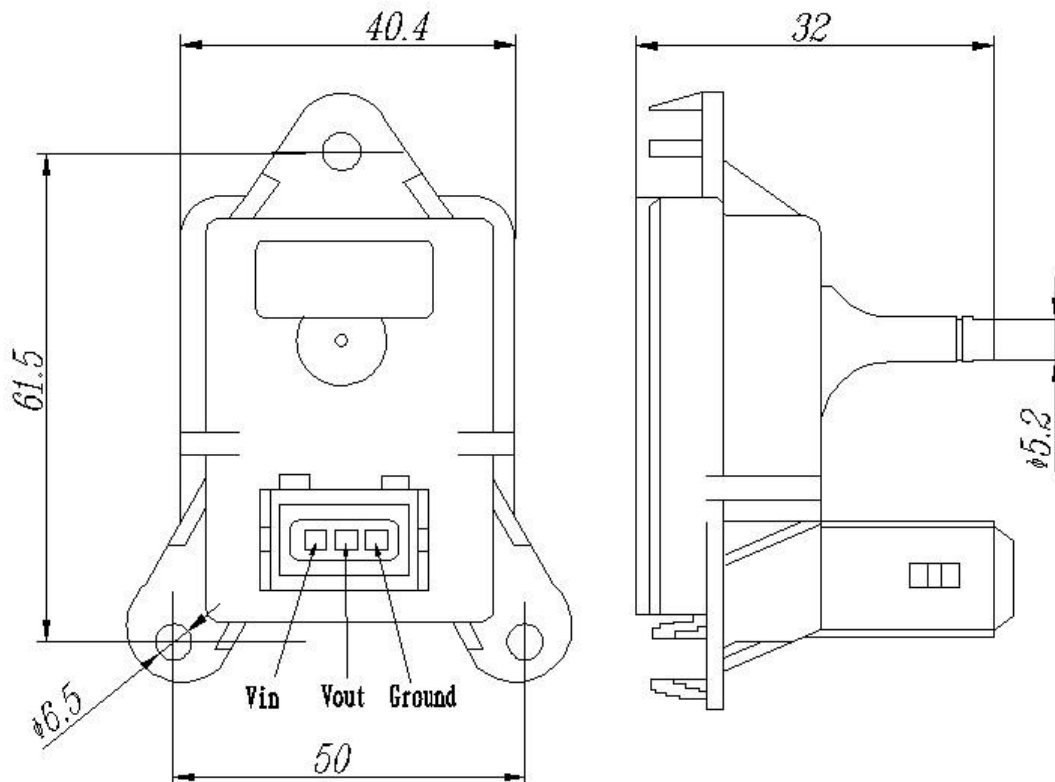
Compensated Temperature Range	-40°C to +135°C
Storage Temperature Range	-50°C to +165°C

Mechanical:

Media Compatibility Media Compatible with Silicon

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



Application:

Pressure range 105KPA

AFLA ROMEO	60814507
CITROEN	1563 J4 1920 J7 96092693
PEUGEOT	1920 J7
FIAT	46531222, 60811067, 60814507, 7714662, 500309838, 9609992380
VOLKSWAGEN	377906309C
FACET	10.3003
HELLA	6PP 009 400-061
STANDARD	16802
MEAT DORLA	82051
MARELLI	PRT03/04, 215810001604

Pressure range 200KPA

FORD 1638311
SAAB 7538697
HELLA 6pp 009 400-031
FACET 103017

Pressure range 250KPA

STANDARD 16806
MEAT DORIA 82133
HELLA 6PP 009 400-101
FACET 10.3008
ALFA ROMEO 7750716
FIAT 60809804
FORD 6742049, V92AB-9F479-AA

Pressure range 400KPA

ALFA ROMEO 775716
FIAT 60809804
FORD 6742049, V92AB-9F479-AA
MARELLI 215810001900, PRT 06/00, PRT06/002006AA
HELLA 6PP 009 400-101
MEAT 82133
STNDARID 18806