



Joint Sensor Instruments (H. K.) Ltd.
Joint Sensor Instruments (Shenzhen) Ltd.



Model 615: 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
- 1.7%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 615 incorporates MEMS technology and custom Application Specific Integrated Circuit (ASIC) technology in the design. It is specifically designed for tough automotive application.

Model 615 is designed to perform in the underhood harsh environment such as temperature extremes, vibration, thermal and mechanical shock. 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
Sensor Operating Characteristics:	
Range	0.2 bar to 1.0 bar 0.2 bar to 2.0 bar 0.2 bar to 3.0 bar
Proof Pressure	200%FS
Static Accuracy (%FS) 1	1.7 typ.

Environmental Effects:

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



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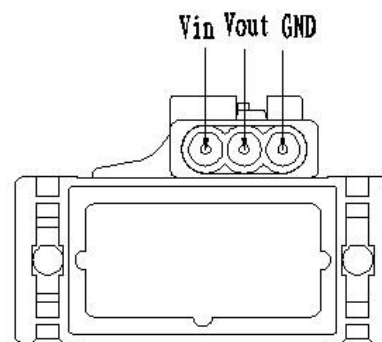
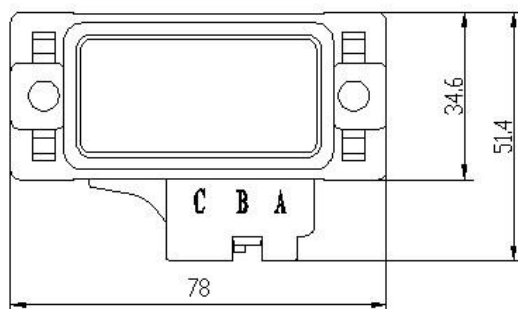
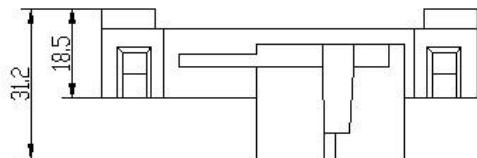
Mechanical:

Media Compatibility

Media Compatible with Silicon

Notes:

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



仰视图



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APPLICATION:

Pressure range 100KPA

GM	16254719, 16175339
Delphi	12247561
NISSAN	2508500QAA
OPEL	4409668
RENAULT	7700101762, 8200105165, 8200121800
FACET	10.3023
HELLA	6PP 009 400-131

Pressure range 105KPA

OPEL	12 11 230
FACET	10.3007

Pressure range 200KPA

GM	16040609
ISUZU	8-16040-609-0
OPEL	1238572, 1238786
RENAULT	7700267701
VOLVO	1336384
FACET	10.3004
Genuine Delphi	12247571

Pressure range 300KPA

GENERAL	16172899, 16040749
Delphi	12223861
MOTORS	9132374
SAAB	