

Magneti Marelli 2.5bar MAP Sensor PRT06



Brand: Magneti Marelli
Product Code: PRT06
Weight: 0.10kg
Dimensions: 5.00cm x 5.00cm x 2.00cm

Price: \$145.00

Short Description

The PRT xx series are high accuracy, high reliability analog absolute pressure sensors. The PRT03/04 has a pressure range of 20-250kpa (0.2- 2.5BAR).

Description

Each pressure sensor exploits the piezoresistive properties of silicon devices. The sensing element is a Wheatstone bridge located on a mechanically-shaped silicon chip. A thick film hybrid circuit for signal amplifying is included in the same package. The same circuitry provides thermal compensation and noise reduction. These active devices are housed in hermetically sealed plastic protective casings.

Technical Data

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Mechanical Characteristics

Dimensions (maximum)76,5x65.0x32.0 mm

Nozzle diameter4.7 mm

Weight42.0 g

ConnectorMini-Timer 3 ways

Electrical Characteristics

Power supply5.00 Vdc \pm 0.5

Min pressure output (at 5 Vdc supply)0.25 V
 Full scale output (at 5 Vdc supply)4.75 V
 Output impedance..... less than 10 W

Performance

Pressure range:

PRT 06 20 ÷ 250 kPa

Operating temperature range..... -40 ÷ 125 °C

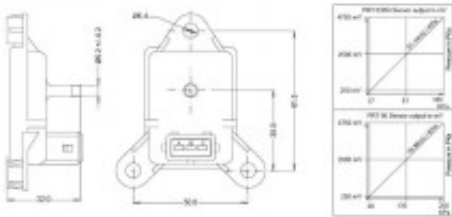
Response timeless than 2 ms

Accuracy (from nominal values) 1 % f.s.o.

(including non-linearity, hysteresis and repeatability)

Over pressure..... 200 %

Product Gallery



Connector Pin Out

PIN	description
A	+ 5 Vdc
B	GND
C	Signal OUT

