



Absolute, Integrated Pressure Sensor (20 to 105 kPa)

MPXx4100

Not Recommended for New Designs

This page contains information on a product that is not recommended for new designs.

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The MPxx4100 family (MPX4100, MPX4100A/MPXA4100A and MPXAZ4100A series) manifold absolute pressure (MAP) sensor for engine control is designed to sense absolute air pressure within the intake manifold. This measurement can be used to compute the amount of fuel required for each cylinder. The small form factor and high reliability of on-chip integration makes NXP®'s MAP sensor a logical and economical choice for automotive system designers.

The MPxx4100 family series piezoresistive transducer is a state-of-the-art, monolithic, signal-conditioned silicon pressure sensor. This sensor combines advanced micromachining techniques, thin-film metallization and bipolar semiconductor processing to provide an accurate high-level analog output signal that is proportional to applied pressure.

MPxx4100_BD Block Diagram

| PACKAGING ORDERING INFORMATION | | | |
|--------------------------------|---------------------------|-------------------|------|
| Device Type | Options | Packaging Options | Case |
| MPX4100A | Absolute, Element Only | - | 867 |
| MPX4100AP | Absolute, Ported | - | 867B |
| MPX4100AS | Absolute, Stove Pipe Port | - | 867E |
| MPX4100ASX | Absolute, Axial Port | - | 867F |
| MPXA4100A6U | Absolute, Element Only | Rails | 482 |
| MPXA4100A6T1 | Absolute, Element Only | Tape and Reel | 482 |
| MPXA4100AC6U | Absolute, Axial Port | Rails | 482A |
| MPX4100A | Absolute, Element Only | - | 867 |
| MPX4100AP | Absolute, Ported | - | 867B |
| MPX4100AS | Absolute, Stove Pipe Port | - | 867E |
| MPXAZ4100A6U | Absolute, Element Only | Rails | 482 |
| MPXAZ4100A6T1 | Absolute, Element Only | Tape and Reel | 482 |
| MPXAZ4100AC6U | Absolute, Axial Port | Rails | 482A |
| MPXAZ4100AC6T1 | Absolute, Axial Port | Tape and Reel | 482A |

View additional information for [Absolute, Integrated Pressure Sensor \(20 to 105 kPa\)](#).

Note: The information on this document is subject to change without notice.

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