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.