



Differential and Gauge, Integrated Pressure Sensor (0 to 6 kPa)

MPXx4006

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As of February 2, 2026, NXP MEMS sensor products have been transitioned to STMicroelectronics. For more information, contact STMicroelectronics.

The MPxx4006 family (MPVZ4006G and MPXV4006G series) offer state-of-the-art monolithic silicon pressure sensors targeting medical, consumer, and industrial devices.

- Combines advanced micro-machining techniques, thin-film metallization and bipolar processing
- Provides an accurate, high-level analog output signal, proportional to the applied pressure
- Supports on-chip temperature compensation and calibration

MPxx4006_BD Block Diagram

PACKAGING ORDERING INFORMATION			
Device Type	Options	Packaging Options	Case
MPVZ4006GW6U	Surface Mount	Rails	1735
MPVZ4006GW7U	Through-Hole	Rails	1560
MPVZ4006G6U	Surface Mount	Rails	482
MPVZ4006G6T1	Surface Mount	Tape and Reel	482
MPVZ4006G7U	Through-Hole	Rails	482B
MPXV4006G6U	Element Only	Rails	482
MPXV4006G6T1	Element Only	Tape and Reel	482
MPXV4006G7U	Element Only	Rails	482B
MPXV4006GC6U	Axial Port	Rails	482A
MPXV4006GC6T1	Axial Port	Tape and Reel	482A
MPXV4006GC7U	Axial Port	Rails	482C
MPXV4006GP	Side Port	Trays	1369
MPXV4006DP	Dual Port	Trays	1351

View additional information for [Differential and Gauge, Integrated Pressure Sensor \(0 to 6 kPa\)](#).

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

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