



# Differential and Gauge Compensated Pressure Sensor (0 to 50 kPa)

## MPXx2050

Last Updated: Oct 25, 2023

The MPXx2050 series delivers silicon piezoresistive pressure sensors for use in a wide selection of medical and industrial devices.

- Provides a highly accurate and linear voltage output directly proportional to the applied pressure.
- Includes a single monolithic silicon diaphragm with the strain gauge and a thin-film resistor network integrated on-chip
- Offers a laser-trimmed chip for precise span, offset calibration and temperature compensation

MPXX2050 Block Diagram

PACKAGING ORDERING INFORMATION		
Device Type	Packing Options	Case
MPX2050D	Differential	344
MPX2050DP	Differential, Dual Port	344C
MPX2050GP	Gauge	344B
MPX2050GSX	Gauge Axial PC Mount	344F

View additional information for [Differential and Gauge Compensated Pressure Sensor \(0 to 50 kPa\)](#).

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

[www.nxp.com](http://www.nxp.com)

NXP and the NXP logo are trademarks of NXP B.V. All other product or service names are the property of their respective owners. The related technology may be protected by any or all of patents, copyrights, designs and trade secrets. All rights reserved. © 2024 NXP B.V.