



Differential and Gauge, Integrated Pressure Sensor (0 to 10 kPa)

MPXx5010

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The NXP MPX5010/MPXV5010G/MP3V5010 series of piezoresistive transducers are state-of-the-art monolithic silicon pressure sensors designed for a wide range of applications, particularly those employing a MCU or MPU with A/D inputs. This transducer combines advanced micromachining techniques, thin-film metallization and bipolar processing to provide an accurate high-level analog output signal that is proportional to applied pressure.

MPxx5010_BD Block Diagram

| PACKAGING ORDERING INFORMATION | | | |
|--------------------------------|--------------------------|-------------------|------|
| Device Type | Options | Packaging Options | Case |
| MPVZ5010GW6U | - | Rails | 1735 |
| MPVZ5010GW7U | - | Rails | 1560 |
| MPVZ5010G6U | - | Rails | 482 |
| MPVZ5010G6T1 | - | Tape and Reel | 482 |
| MPVZ5010G7U | - | Rails | 482B |
| MPXV5010G6U | Gauge, Element Only, SMT | Rails | 482 |
| MPXV5010G7U | Gauge, Element Only, DIP | Rails | 482B |
| MPXV5010GC6U | Gauge, Axial Port, SMT | Rails | 482A |
| MPXV5010GC7U | Gauge, Axial Port, DIP | Rails | 482C |
| MPXV5010GC6T1 | Gauge, Axial Port, SMT | Rails | 482A |
| MPXV5010GP | Gauge, Side Port, SMT | Tape and Reel | 1369 |
| MPXV5010DP | Gauge, Dual Port, SMT | Trays | 1351 |
| MPX5010D | Differential | - | 867 |
| MPX5010DP | Differential, Gauge | - | 867C |
| MPX5010GP | Gauge | - | 867B |
| MPX5010GS | Gauge, Axial | - | 867E |
| MPX5010GSX | Gauge, Axial PC Mount | - | 867F |

View additional information for [Differential and Gauge, Integrated Pressure Sensor \(0 to 10 kPa\)](#).

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

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