

# Free Scale Semiconductor

## Model:MPXV7002DP



### Description:

The MPXV7002 series piezoresistive transducers are state-of-the-art monolithic silicon pressure sensors designed for a wide range of applications, but particularly those employing a microcontroller or microprocessor 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 the applied pressure.

The MPXV7002 is designed to measure positive and negative pressure. In addition, with an offset specifically at 2.5V instead of the conventional 0V, this new series allows to measure pressure up to 7kPa through each port for pressure sensing but also for vacuum sensing.

### Specifications:

- ❖ Pressure: 2 to 2 kPa (-0.3 to 0.3 psi).
- ❖ Output 0.5 to 4.5V
- ❖ Weight: 4 g (0.1 oz.)

### More Detailed Photos:

