

# Standard Products Overview

## Digital Absolute Pressure Sensors, 15 Bit, 3V, serial interface

Product	Pressure [bar]	Feature	Supply voltage [V]	Current [μA]	Op. Temp. [°C]	Size [mm]
MS5534	1	For up to 125°C Very low noise: ±0.1 mbar (w/o averaging)	2.2 to 3.6	5	-40 to +125	9 x 9
		Resolution 0.1 mbar, accuracy ±1.5 mbar				
MS5535	14	35ms / measurement high linearity	2.2 to 3.6	<4/0.1	-40 to +125	9 x 9
		Resolution 1.2 mbar, accuracy -25/+20 mbar				
MS5540	1	Small SMD Package	2.2 to 3.6	<4/0.1	-40 to +85	6.2 x 6.4
		Very low noise: <±0.1 mbar (w/o averaging) Resolution: 0.1 mbar; Accuracy ±1.5 mbar				
MS5541	14	For Divers Watches	2.2 to 3.6	<4/0.1	-40 to +85	6.2 x 6.4
		Resolution 1.2 mbar, accuracy -25/+20 mbar				



MS5541-BM

## Digital Differential Pressure Sensors, 15 Bit, 3V, serial interface

Product	Pressure Range [mbar]	Supply voltage [V]	Current [μA]	Op. Temp. [°C]	Size [mm]
MS5536-PJU	-400 to +1000	2.2 to 3.6	5	-40 to +60	10 x 13
		Resolution 0.1 mbar, accuracy ±2.5 mbar			
MS5536-NJU	-1000 to +400	2.2 to 3.6	5	-40 to +60	10 x 13
		Resolution 0.1 mbar, accuracy ±2.5 mbar			



MS5536-PJU

## SMD Sensors Bridge Output

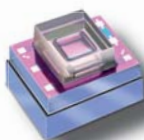
Full-Scale Pressure		FS Span	Linearity	Absolute	Differential
[Bar]	[PSI]	[mV@5V]	typ. [%FS]		
1	14.5	150/240	0.05/0.15	MS 5201 7.6 x 7.6 mm MS 5401 6.4 x 6.2 mm	MS 5201D 7.6 x 7.6 mm
7	101.5	392	0.15	MS 5407 6.4 x 6.2 mm	
12	174	150	0.05	MS 5212 7.6 x 7.6 mm MS 5412 6.4 x 6.2 mm	



MS5201

## Absolute Pressure Sensor Dice

Product	Pressure [bar]	Feature	Overpressure [bar]	FS Span [mV@5V]	Linearity typ. [% FS]	Size [mm]
MS7720-01-A	1	Small, low cost	5	150	0.05	0.8 x 0.8
MS7801A	1	High linearity	5	150	0.05	1.98 x 1.84
MS761A	1	High sensitivity	5	240	0.15	2.0 x 1.86
MS767A	7	High sensitivity	35	392	0.15	1.64 x 1.48
MS7912A	12	High overpressure	30	150	0.05	1.72 x 1.58
MS7212A	12	Harsh environment	30	150	0.05	1.95 x 1.63



MS7212A

## Differential Pressure Sensor Dice

Product	Pressure	Feature	Overpressure [bar]	FS Span [mV@5V]	Linearity typ. [% FS]	Size [mm]
MS7305D	50 mbar	Low pressure	6	110	0.3	2.45 x 2.45
MS7310D	100 mbar	Low pressure	6	110	0.35	2.45 x 2.45
MS7801D	1 bar	High linearity	5	150	0.05	1.98 x 1.84
MS761D	1 bar	High sensitivity	5	240	0.15	2.0 x 1.86
MS7912D	12 bar	30 bar overpressure	30	150	0.05	1.72 x 1.58



MS7912D