

FACTORY CALIBRATED AND HIGHEST DEGREE OF ACCURACY OVER LIFE-TIME

Very accurate and stable pressure measurements allow optimal engine management to guarantee fuel savings and emission reductions.

MLX90823

The MLX90823 is a packaged PCB-less, factory calibrated, relative pressure sensor measuring spans from 0.1 to 1.5 bars. It makes it ideal for Fuel vapor, crankase ventilation, EGR (Exhaust Gas Recirculation), GPF/DPF (Gasoline/Diesel Particule Filter) or SAI (Secondary Air Injection) especially for automotive.

The MLX90823 offers an analog output signal.

KEY FEATURES.

- PCB-less absolute pressure sensor
- Up to 0.5% full scale accuracy over extended mission profiles
- Operating temperature from -40°C to 160°C
- Robustness
 - Over (+40V) and reverse (-40V) voltage capabilities
 - Excellent module level EMC performance
 - Harsh media resistance against halogens, acids...
- Analog output
- Fast response time <400 μs
- All-in-one: MEMS, interface and passive components

- Certification
 - AEC-Q100 (automotive) and AEC-Q103-002 (pressure sensor MEMS)
 - ASIL compliant developed as an ASIL A SEooC (ISO
- Factory calibrated or fully programmable through the connector with PTC04 for customized calibration curves
- Onfigurable diagnostic features
- Package RoHS compliant SMP-7 (XP)
 - Ridges to enable glued pressure seals



MLX9082x PCB-LESS PRESSURE SENSOR



MLX90823 PCB-LESS PRESSURE SENSOR APPLICATIONS

