

Pressure Sensor ICs

Analog MEMS Pressure Sensor



AS5204

● General Description

AS5204 is an absolute analog pressure sensor packaging a MEMS sensing element in a compact 2.0×2.5×1.05mm³ package. The wide sensing range further opens enough windows for pressure detection. The small form factor makes it an easy fit-in for compact applications like handheld devices, industry, and automotive.

The device is a RoHS compliant 8-pin LFBGA (2.0mm x 2.5mm x 1.05mm³) & 4-pin LFBGA (2.96 x 3.76 x 1.05mm³) outline dimension package.

● Features

- Operation Range:
 - ✓ Force: 0 ~ 900kPa
- Absolute Type Sensor
- Supply Voltage Range: 1.0V to 10V
- Constant Current or Constant Voltage Drive
- RoHS and Halogen Free Compliant
- 8-pin LFBGA (2.0mm x 2.5mm x 1.05mm³) & 4-pin LFBGA (2.96 x 3.76 x 1.05mm³) Packages
- -40°C to +85 °C Temperature Range

● Applications

- Tire Pressure Sensor
- Medical Instrumentation
- Pressure Gauge
- Industrial Sensor
- TPMS/Engine Pressure Detection
- Aerodynamic pressure

● Ordering Information



| Part Number | Capability | Package Type | Package Qty | Temperature | Eco Plan |
|-------------|------------|--------------|-------------------------|-------------|----------|
| AS5204LBRN | 0 ~ 900kPa | 8-pin LFBGA | 13-in reel 3000pcs/reel | -40~85°C | RoHs |
| AS5204L4RN | 0 ~ 900kPa | 4-pin LFBGA | 13-in reel 3000pcs/reel | -40~85°C | RoHs |

