

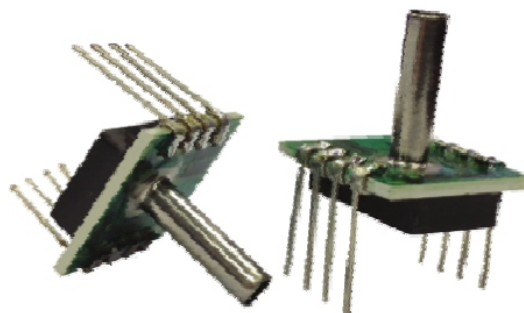
# CERAMIC MEMS PRESSURE SENSOR

## 陶瓷MEMS压力传感器

### 产品功能 | PRODUCT FEATURES

陶瓷MEMS系列为温度补偿压敏硅压力传感器封装于双列直插配置中。该系列确保了在一个广泛的温度范围能够为成本敏感的应用提供一个可靠性高，性能优越且高性价比的解决方案。包含了一个增益电阻使FSO标准化。

The ceramic MEMS series is packaged in a dual in-line configuration for temperature compensated varistor pressure sensors. This family ensures a reliable, superior performance and cost-effective solution for cost-sensitive applications over a wide temperature range. A gain resistor is included to standardize the FSO.



### 工作参数 | WORKING PARAMETERS

- ◇ 工作压力：
  - 表压和压差: 5psi, 15psi, 30psi, 50psi, 100psi
  - 绝压: 15psi, 30psi, 50psi, 100psi
- ◇ Working pressure:
  - Gauge pressure and differential pressure: 5psi, 15psi, 30psi, 50psi, 100psi
- ◇ 运行温度: -40°C - +125°C
- ◇ Absolute pressure: 15 psi, 30 psi, 50 psi, 100 psi
- ◇ 存储温度: -40°C - +150°C
- ◇ Operating temperature: -40°C - +125°C
- ◇ 温度补偿范围: 0°C - +80°C
- ◇ Storage temperature: -40°C - +150°C
- ◇ 爆破压力: 3倍以上工作压力
- ◇ Temperature compensation range: 0°C - +80°C
- ◇ 工作介质: 干燥空气
- ◇ Burst pressure: over triple working pressure
- ◇ Working medium: Dry air
- ◇ FS 输出 (FSO): 100mv±25mv
- ◇ FSO Output: 100mv±25mv
- ◇ 零点压力输出: ±2mv
- ◇ Zero pressure output: ±2mv
- ◇ 线性: ±0.1% FSO
- ◇ Linear: ±0.1% FSO
- ◇ 输入阻抗: 5000±1000Ω
- ◇ Input impedance: 5000±1000Ω
- ◇ 输出阻抗: 4000±1000Ω
- ◇ Output impedance: 4000±1000Ω
- ◇ 全温区精度: ±0.5% FSO
- ◇ Full temperature zone accuracy: ±0.5% FSO
- ◇ 输入电流: <2mA
- ◇ Input current: <2mA
- ◇ ESD标准: PIN针空气放电±8KV  
外壳空气放电±16KV
- ◇ ESD standard: PIN needle air discharge ± 8KV  
housing air discharge ±16KV
- ◇ EMC标准: ISO11452-5  
( 512MHz-1GHz ) 50V/m  
( 1MHz-512MHz ) 100V/m
- ◇ EMC standard: ISO11452-5  
(512MHz-1GHz) 50V/m  
(1MHz-512MHz) 100V/m