

MEMS pressure sensing element



Performance

| | |
|---------------------------------|---------------|
| Pressure range(FS) | 0.4~25 bar |
| Nonlinearity(BFSL typical)..... | ±0.15% FS |
| Nonlinearity(0.4bar only)..... | ±0.2% FS |
| Stability(typical) | ±0.2% FS/year |
| Repeatability | ±0.05% FS |
| Pressure hysteresis | ±0.05% FS |
| Load resistance | >5MΩ |

Electrical

| | |
|--------------------------|------------|
| Excitation | 10~14Vdc |
| FSO(@10Vdc, 25°C) | 100±2mV |
| Input impedance..... | 8000±2000Ω |
| Output impedance..... | 3000±500Ω |
| Zero offset(@25°C) | ±2mV |

Environmental

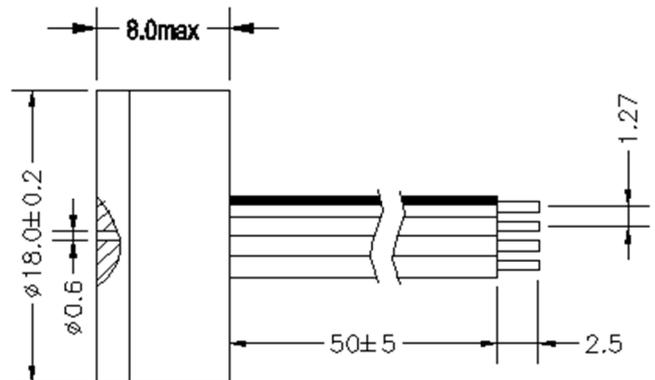
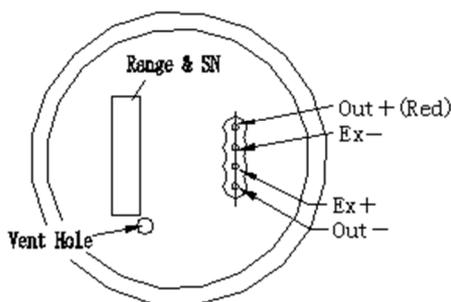
| | |
|-------------------------------------|--|
| Operate temperature | -40 to 125°C |
| Compensated temperature | 0 to 70°C |
| Temperature zero shift | ±0.75% FSO |
| Temperature sensitivity shift | ±0.75% FS |
| Thermal hysteresis | ±0.1% FS |
| Overload..... | >2 * FS |
| Overload(25 bar only)..... | >1.4 * FS |
| Burst pressure..... | >3 * FS |
| Burst pressure(16/25 bar only)..... | >40 bar |
| Media | Ceramic,Silicon,Glass,Silicon gel/epoxy compatible |
| Housing | Ceramic |
| Pressure port | Ø0.6 hole |
| Electrical connection..... | Ribbon Cable or Connect Pins |

Features

- Low cost OEM
- Range: 0.4 to 25 bar
- Temperature compensated
- Vent gauge pressure
- Compatible with non-aggressive gases and fluids

Application

- Tire pressure measurement
- Nature gas measurement
- Air compressor
- Level sensor
- Pressure transmitters
- Cooling media of air conditioner



Ordering Information

P2401-10BG-R

