

AJAY SENSORS & INSTRUMENTS

SS105 Series Piezoresistive Pressure Sensor Element

Application

- 1, Industrial process control
- 2, Liquid pressure system and switch
- 3, Level measure
- 4, Gas, liquid pressure measure
- 5, Pressure inspection meter
- 6, Pressure calibrator
- 7, Cooling equipment and air conditioner
- 8, Aviation and navigation inspection



Feature

- 1, High accuracy, High reliability.
- 2, Constant current power supply
- 3, Absolute, Sealing pressure is optional
- 4, Wider temperature compensation range
- 5, Isolated construction, Enable to test various media

Performance & Parameters

| | |
|---------------------------|-------------------|
| Power Supply | 1.5 mADC |
| Span Output | ~100mV |
| Zero Output | ±2 mVDC |
| Accuracy | 0.5%; 1% |
| Measuring Range(Absolute) | 0~600KPa...10MPa |
| Measuring Range(Gauge) | 0~600KPa...2.5MPa |
| Overload | <10MPa |
| Temperature Compensation | |
| Operating Temperature | -40~125°C |
| Input Impedance | 2.3 KΩ~4 KΩ |
| Zero Thermal Error | ±0.02%FS/°C |
| Span Thermal Error | ±0.02%FS/°C |

Construction

| | |
|----------------------|-----------------|
| O-Ring | Viton |
| Diaphragm | Stainless Steel |
| Housing | Stainless Steel |
| Filling Liquid | Silicone oil |
| Diameter | Ø15mm |
| Height | 5.6mm |
| Electric connection① | Kovar pin |
| Electric connection② | |

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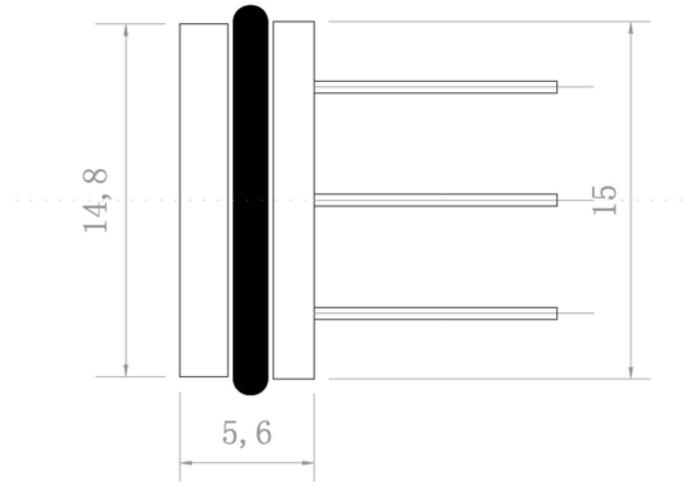
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Dimensions



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