

## Model 704 Pressure Sensor

### FEATURES

- Any Range Between 0-60Mpa (0-9K psi)
- Three Accuracies Available
- MEMS technology
- Programmable ASIC to meet customer specifications
- Ceramic pressure sensor
- Amplified and temperature compensated



### DESCRIPTIONS

Model 704 incorporates MEMS technology and custom Application Specific Integrated Circuit (ASIC) technology in the design. It is specifically designed for tough automotive application.

Model 704 is designed to perform in the underhood harsh environment such as temperature extremes, vibration, thermal and mechanical shock, and corrosive chemical.

### SPECIFICATIONS

#### Electrical:

Supply Voltage	5.0 ± 0.5VDC / 8 to 36V
Supply Current	6 mA Max
Output Voltage	0.5 to 4.5 V / 1 to 5V 4 to 20mA / 0 to 5V
Electric Connector	Hirschmann / Parkard / Direct cable

#### Operating Characteristics:

Range	0-1...60Mpa
Pressure Type	A, G
Proof Pressure	200%FS
Total Accuracy (%FS) <sup>1</sup>	1.0%FS & 0.5%FS & 0.25%FS
Long Term Stability	0.3%FS/year (max.)
Response Time	1ms (typ.)

#### Environmental Effects

Operating Temperature Range	-40°C to +125°C
Storage Temperature Range	-40°C to +150°C

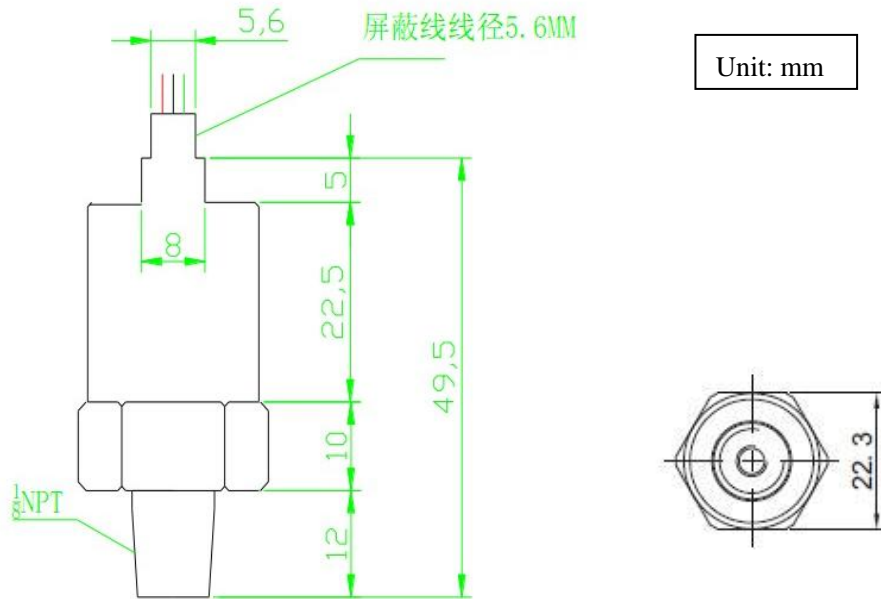
#### Mechanical

Protection Class	IP 68
Material	<b>304L Stainless Steel</b>
Pressure Port	NPT 1/8 & NPT 1/4 & Customized

#### Notes:

1. Total accuracy is the RSS of non-linearity, hysteresis, non-repeatability and thermal errors.
2. Please contact us for special design to meet your requirements

**OUTLINE**



**Electric Connect Explanation**

1. Output (Green)
2. Power+ (Red)
3. GND (Black)

**Order Information**

