

Model 641T Pressure Sensor

FEATURES

- Any Range Between 0-40Mpa (0-400bar)
- Three accuracy available
- MEMS technology
- Programmable ASIC to meet customer specifications
- Ceramic pressure sensor
- Amplified and temperature compensated



DESCRIPTIONS

Model 641T incorporates MEMS technology and custom Application Specific Integrated Circuit (ASIC) technology in the design. It is specifically designed for tough automotive application.

Model 641T 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 /8-36V
Supply Current	6 mA Max
Output Voltage	0.5 to 4.5 V /1-5V 4-20mA / 0-5V
Electric Connector	Hirschmann / Parkard / Special

Operating Characteristics:

Range	0-40Mpa(0-6K psi)
Pressure Type	A, G
Proof Pressure	200%FS
Total Accuracy (%FS) 1	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	-40°C to +125°C
Range	
Storage Temperature Range	-40°C to +150°C

Mechanical

Protection Class	IP 65
Material	304L Stainless Steel
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.

