



## *HT12 Piezoresistive Silicon Pressure Sensor*

### Description

HT12 is piezoresistive silicon pressure sensor, the main element is a diffused silicon with high stability. It utilizes TO-8 packaging technic. With high reliability, reliability and stability. It is used for air pressure measurement.

### Features

- ✧ Wide mesurement range :0~10KPa~2Mpa
- ✧ T-O8 packaging technic
- ✧ High reliability and stability

### Applications

- ✧ Air control system
- ✧ Aviation inspection
- ✧ biomedical instrument HVAC control



### Electrical Data

Supply : 1.5mADC	Input impedance: 3KΩ~6KΩ
Output impedance: 2.5KΩ~6KΩ	Insulation resistance: ≥100MΩ/50VDC
Insulation voltage: 500VAC between the housing and electrical connection will not cause damage	

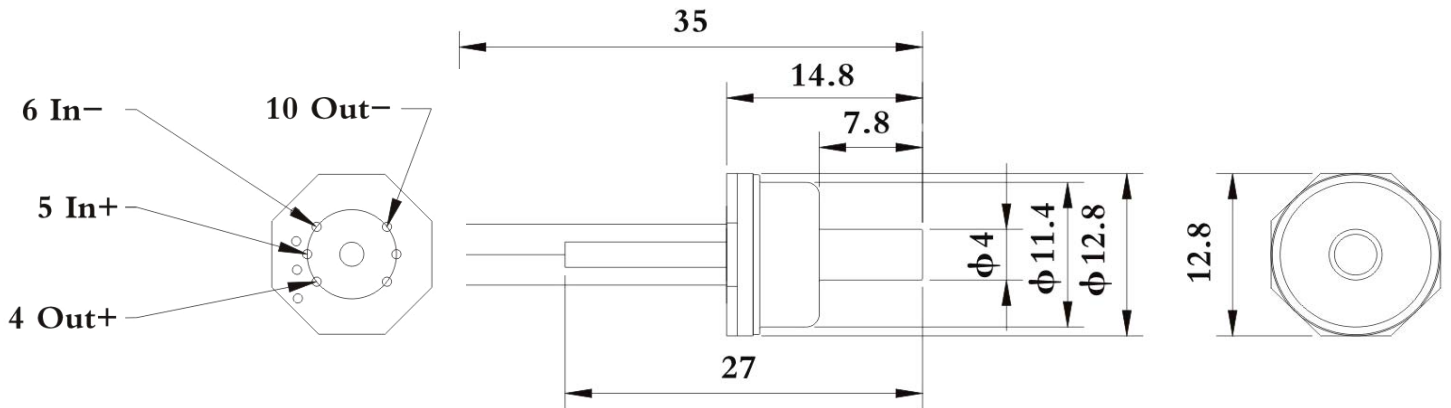
### Performance Specification

Parameters		Range: 0~10KPa、 20KPa、 35 KPa、 70 KPa、 100 KPa、 200 KPa、 350 KPa、 700 KPa、 1000 KPa、 2000 KPa、		
		Typ.	Max.	Units
Pressure Non-linearity		±0.15	±0.3	%F.S
Pressure Repeatability and Hysteresis		0.02	0.05	%F.S
Zero Output		0±1	0±2	mV
Span Output	≤20KPa	50±10	50±30	mV
	≥35 KPa	100±10	100±30	mV
Temperature Error-Zero	≤20KPa	±1	±2	%F.S
	≥35 KPa	±0.5	±1	%F.S
Temperature Error-Span	≤20KPa	±1	±2	%F.S
	≥35 KPa	±0.5	±1	%F.S
Proof Pressure		3X		Rated Range
Operating Temperature Range		-20~80		°C
Compensated Temperature Range		0~70, 0~50(Range≤20KPa)		°C
Storage Temperature Range		-40~125		°C

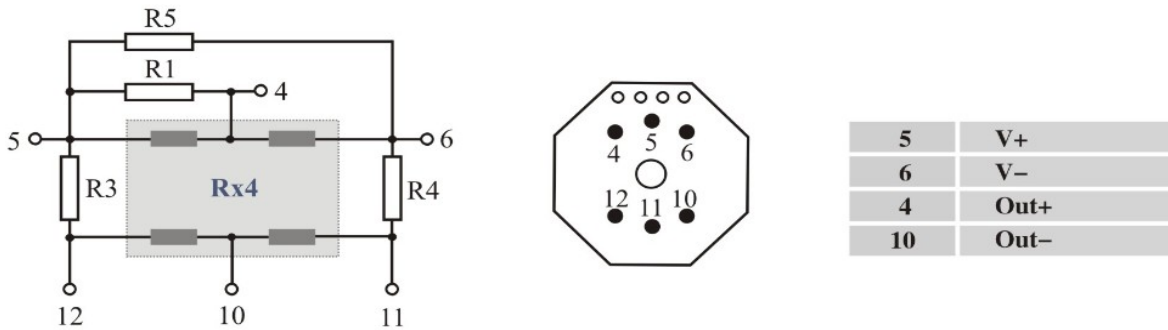
Note :Above parameter under condition: Supply: 1.5mA Temperature:25°C



**Dimension**



**Electrical Connection and Circuitous Philosophy**



**Ordering Information**

HT12 0010 K G 01

