

**S-Series sensor  
Dual In Line Package  
mV Output  
Temperature Compensated  
Constant Voltage/Current**

## DESCRIPTION

S-Series is a temperature compensated, mV output, ceramic mounted pressure sensor packaged in a rugged Dual In Line package. S-Series uses a silicon MEMS pressure sensor bonded to a ceramic substrate containing thick film resistors that are uniquely laser trimmed for each sensor.

Incorporating a flexible design, the S-Series is available with no, short or long tubes and can be mounted pin up or pins down to allow OEMs to optimize their board design. The S-series is powered using constant current or constant voltage and when configured as in the application note, the integrated gain set or current set resistor will ensure sensor field interchangeability.

The S-series superior die performance, coupled with rugged ceramic substrate ensures long term stability with superior temperature performance over wide operating range.

## FEATURES

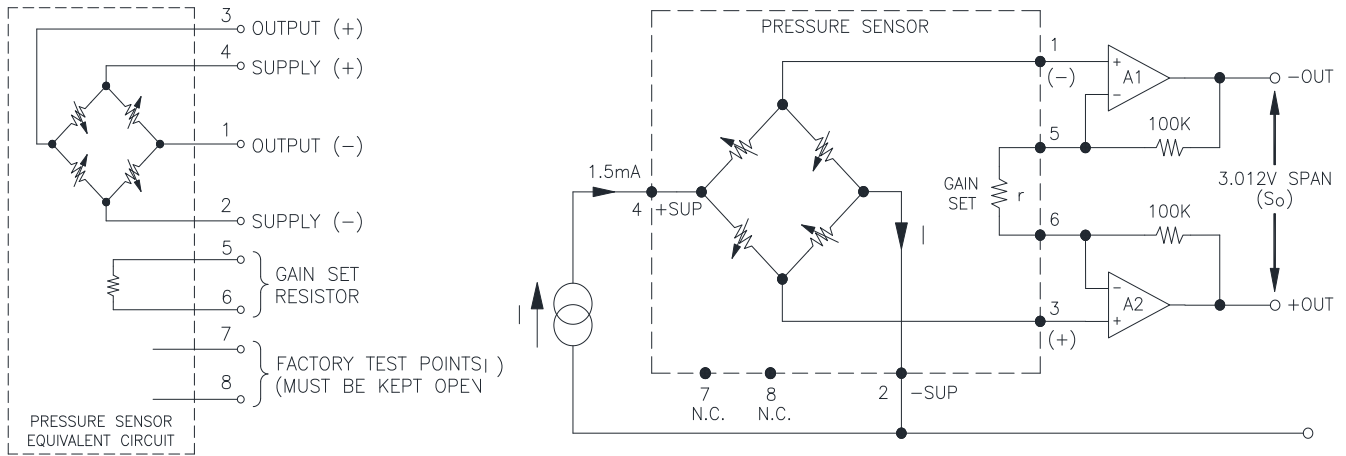
- 0.1% Pressure Non Linearity
- Constant Voltage/Current
- Dual in-line package
- Wide selection of port
- Absolute, Differential or Gage pressures
- Temperature Compensated

## APPLICATIONS

- Medical equipment/instrumentation
- Air Speed and Altitude measurement
- Environmental controls
- Gas flow measurement
- Duct static pressure
- Process Controls
- Pneumatic controls
- Automotive diagnostics



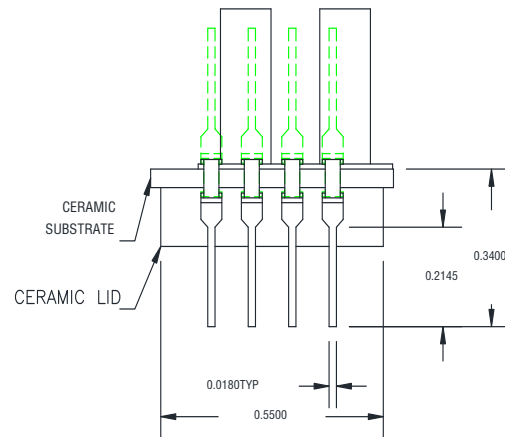
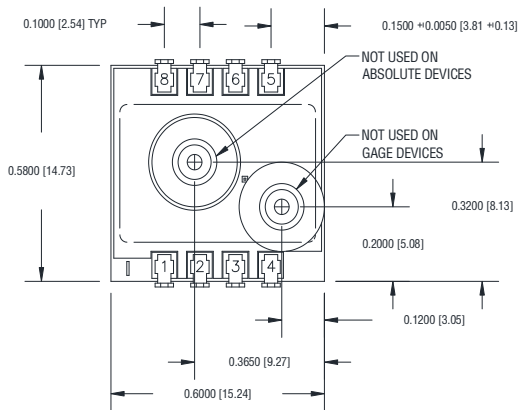
# CONSTANT CURRENT



APPLICATION SCHEMATIC

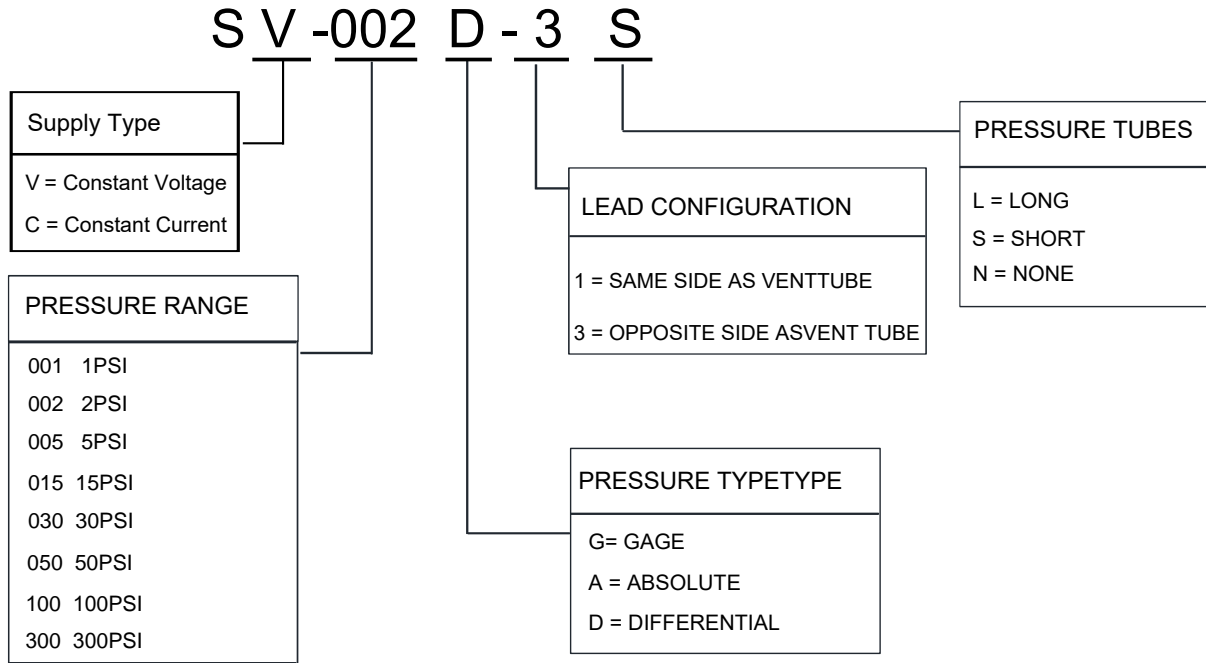
## MECHANICAL DIMENSIONS in [mm]

### METAL TUBE/CERAMIC SUBSTRATE AND LID



PAD NO	FUNCTION
1	-OUT
2	-EX
3	+OUT
4	+EX
5,6	GAIN
7,8	TEST

**PART NUMBERING FOR ORDERS**



**Part Number Example: SV-002D-3S**