

**SM5415/SM5455****Small Foot-print Pressure Sensor SIP**

- **NEW!!! SMALLER PACKAGE PRESSURE SENSOR**
- **TRUE DIFFERENTIAL CONFIGURATION**
- **BARBED CAP FOR SECURE TUBING ATTACHMENT**
- **SAME PERFORMANCE CHARACTERISTICS AS THE SM5410 AND SM5450 PRODUCT INCLUDING UNIQUE 0.15 PSI FULL-SCALE FOR VERY LOW PRESSURES**

DESCRIPTION

Silicon Microstructures, Inc. (SMI) introduces a small, Single-in-Line sensor package that provides for true differential applications where needed. The performance is identical to the SM5410 and SM5450 product but with a closed bridge (4-lead) configuration.

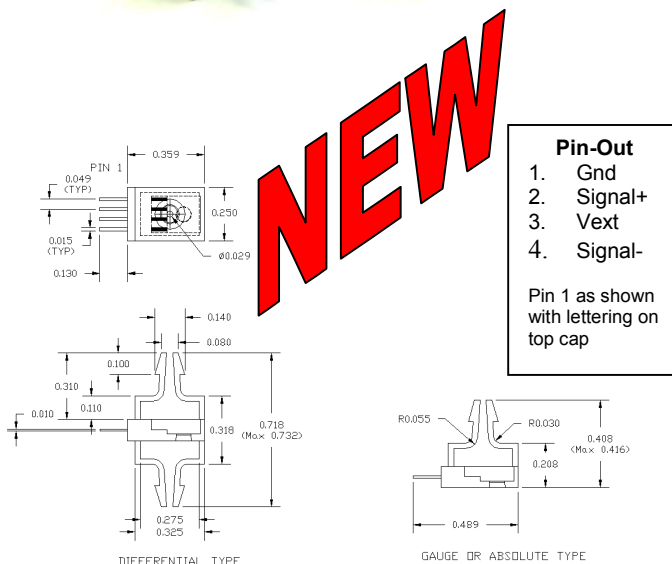
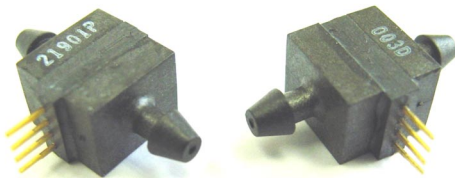
The small size lends itself to differential applications. A new barbed cap allows for easy connection to plastic or silicone tubing.

FEATURES

- Full selection of pressure ranges (from 0-0.15 PSI FS to 0-100 PSI FS)
- Same specification as the existing SM5300 and 5400 series
- Easy to use 4-pin SIP
- High performance, stable packaged silicon chip
- Absolute, Gage and Differential pressure configurations

APPLICATIONS

- Medical equipment
- Respiration
- HVAC
- Level detection
- Flow measurement
- Industrial control

**Pressure Ranges**

PSI	5415
5	005
15	015
30	030
60	060
100	100

PSI	5455
0.15	001
0.30	003
0.80	008
1.50	015
3.00	030

Example of How to Order:

Part Range
 1: Pressures from 5 to 100 PSI
 5: Pressures from 0.15 to 3.0 PSI
 (No Absolutes)

Model Number

SM5455 - 003 - D

Pressure Type
 A: Absolute (1 Tube) (SM5415 only)
 D: Differential (2 Tubes)
 G: Gage (1 Tube)

Part
range

Pressure
range

Pressure
Type

Gage and Absolute configurations available only on large orders. Consult SMI for details.

Notice:

Silicon Microstructures, Inc. reserves the right to make changes to the product contained in this publication. Silicon Microstructures, Inc. assumes no responsibility for the use of any circuits described herein, conveys no license under any patent or other right, and makes no representation that the circuits are free of patent infringement. While the information in this publication has been checked, no responsibility, however, is assumed for inaccuracies.

Silicon Microstructures, Inc. does not recommend the use of any of its products in life support applications where the failure or malfunction of the product can reasonably be expected to cause failure of a life-support system or to significantly affect its safety or effectiveness. Products are not authorized for use in such applications.

Rev 0.2 8_02

SUNSTAR 商斯达实业集团是集研发、生产、工程、销售、代理经销、技术咨询、信息服务等为一体的高科技企业，是专业高科技电子产品生产厂家，是具有 10 多年历史的专业电子元器件供应商，是中国最早和最大的仓储式连锁规模经营大型综合电子零部件代理分销商之一，是一家专业代理和分销世界各大品牌 IC 芯片和电子元器件的连锁经营综合性国际公司，专业经营进口、国产名厂名牌电子元件，型号、种类齐全。在香港、北京、深圳、上海、西安、成都等全国主要电子市场设有直属分公司和产品展示展销窗口门市部专卖店及代理分销商，已在全国范围内建成强大统一的供货和代理分销网络。我们专业代理经销、开发生产电子元器件、集成电路、传感器、微波光电元器件、工控机/DOC/DOM 电子盘、专用电路、单片机开发、MCU/DSP/ARM/FPGA 软件硬件、二极管、三极管、模块等，是您可靠的一站式现货配套供应商、方案提供商、部件功能模块开发配套商。商斯达实业公司拥有庞大的资料库，有数位毕业于著名高校——有中国电子工业摇篮之称的西安电子科技大学（西军电）并长期从事国防尖端科技研究的高级工程师为您精挑细选、量身订做各种高科技电子元器件，并解决各种技术问题。

更多产品请看本公司产品专用销售网站：

商斯达中国传感器科技信息网：<http://www.sensor-ic.com/>

商斯达工控安防网：<http://www.pc-ps.net/>

商斯达电子元器件网：<http://www.sunstare.com/>

商斯达微波光电产品网：[HTTP://www.rfoe.net/](http://www.rfoe.net/)

商斯达消费电子产品网：<http://www.icasic.com/>

商斯达实业科技产品网：<http://www.sunstars.cn/>

传感器销售热线：

地址：深圳市福田区福华路福庆街鸿图大厦 1602 室

电话：0755-83370250 83376489 83376549 83607652 83370251 82500323

传真：0755-83376182 (0) 13902971329 MSN: SUNS8888@hotmail.com

邮编：518033 E-mail:szss20@163.com QQ: 195847376

深圳赛格展销部：深圳华强北路赛格电子市场 2583 号 电话：0755-83665529 25059422

技术支持：0755-83394033 13501568376

欢迎索取免费详细资料、设计指南和光盘；产品凡多，未能尽录，欢迎来电查询。

北京分公司：北京海淀区知春路 132 号中发电子大厦 3097 号

TEL: 010-81159046 82615020 13501189838 FAX: 010-62543996

上海分公司：上海市北京东路 668 号上海赛格电子市场 2B35 号

TEL: 021-28311762 56703037 13701955389 FAX: 021-56703037

西安分公司：西安高新开发区 20 所(中国电子科技集团导航技术研究所)

西安劳动南路 88 号电子商城二楼 D23 号

TEL: 029-81022619 13072977981 FAX:029-88789382