



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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S06 - VERSASENSE BAROMETRIC PRESSURE SENSOR

PRODUCT DESCRIPTION

The VersaSense Barometric Pressure Sensor (S06) detects the absolute pressure of the surrounding air.

VERSASENSE SENSORS

VersaSense Sensors are self-identifying sensors and actuators that connect to VersaSense Wireless Devices to provide plug-and-play sensing and control.

The VersaSense software automatically installs and configures all drivers, eliminating the cost and complexity of deploying an IoT network.

Note: only one peripheral of this type may be connected to a VersaSense Wireless Device.

APPLICATIONS

The barometric pressure sensor supports environmental sensing. Applications include:

- ★ Monitoring of heating, ventilation and air conditioning (HVAC) systems
- ★ Weather monitoring systems
- ★ Altitude monitoring (13CM accuracy)
- ★ Monitoring compliance with perishable goods storage rules

CORE COMPONENTS

The S06 is based on the MS563702BA03-50 from TE Connectivity™, for more information please visit:

[TE_MS563702BA03-50.pdf](#)

S06 CHARACTERISTICS

Characteristic	Value	Unit
Min/Max pressure	10/2000	mBar
Accuracy pressure	+/- 4	mBar
Min/Max temperature	-40/+85	°C
Min/Max period between updates	10 / 86400	s
Avg current: period = 1hour	636	nA
Avg current: period = 60s	2.76	µA
Avg current: period = 10s	13.56	µA

Note: avg current values represent the current that this sensor draws from a VersaSense Wireless Device that is configured with the noted update period. This value excludes message transmission.

RELATED PRODUCTS

Item S06 requires a VersaSense Wireless Device such as Pxx or Lxx. This item is compatible with all items in the VersaSense catalog:

versasense.com/files/VersaSense-Catalog.pdf

INFORMATION/SUPPORT

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