TOP VIEW

BOTTOM VIEW

1. Product overview

The AGS10ET sensor is a MEMS ethanol gas sensor with a calibrated digital signal output. It uses dedicated digital module acquisition technology and gas sensing sensing technology to ensure that the product has extremely high reliability and excellent long-term stability.

This MEMS gas sensor has the characteristics of low power consumption, high sensitivity, fast response, high reliability and stability, low cost, and simple driving circuit.

2. Application

It can be used to monitor alcohol gas in the environment, such as portable alcohol detectors, alcohol alarms, etc.

3. Product highlights

High cost performance, good long-term stability, excellent quality, ultra-fast response, high sensitivity, fast response and recovery time, long life, digital signal output, accurate calibration.

2. Technical indicators

Power supply voltage 3.0±0.1V DC

Minimum supply current 23mA

Typical supply current 25mA

Maximum supply current 33mA

Typical power 75mW

Sampling period >=2S/time

Output mode I2C slave mode (less than 15KHz)

Warm-up time >=120 seconds

Working temperature 0℃～50℃

Working humidity 0～95%RH

Lifespan> 6 years (@25 degrees in clean air)

Sensor category MEMS semiconductor metal oxide sensor

Output unit ug/100ml
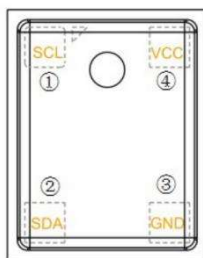
Measuring range 0-99999ug/100ml

Typical accuracy (25℃ 50%RH) 25% F.S

Standard test gas ethanol

AGS101 pin assignment

1 SCL serial clock

2 SDA serial data

3 GND ground

4 VCC power supply