



APS067

Angle sensor

VOLBUFF

SENSORS

VOLBUFF ELECTRONIC | www.volbuff.com

ADDR: Building 5,#118,Lane 2129,South Lianhua Rd.,Minhang District, Shanghai, 210011, China.

TEL: 021-54293326

EMAIL: sales06@volbuff.com

1 Product Description

This product is a rotating sensor based on Hall effect technology, which can accurately and reliably ensure the measurement measurement measurement. 5V power supply operation is connected through the sensor electronic control element. Double circuit output to achieve real independent voltage output. The PWM output option can also be required.

Stable mechanical design provides a special performance level for water, dust, impact, vibration and temperature, so this sensor is suitable for trials in highways and non-road vehicles in harsh environments.

The main characteristics are as follows:

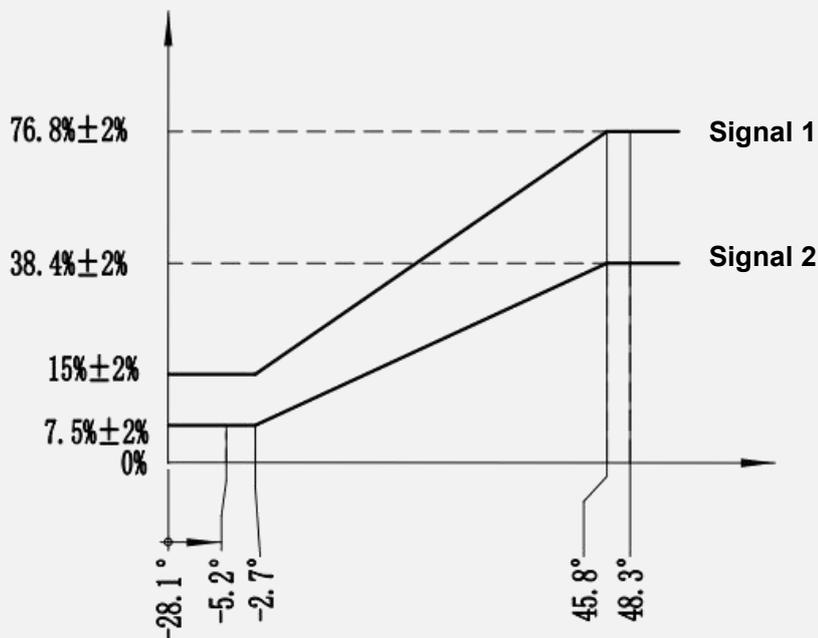
- Non-contact, Hall Effect Technology
- Measurement angle 48.5°
- Voltage input: 4.5-5.5VDC
- Dual redundant output
- Simulation output
- High service life: 5 million times or more
- Work temperature: -40~+85°C
- Protection level: IP67

2 Technical description

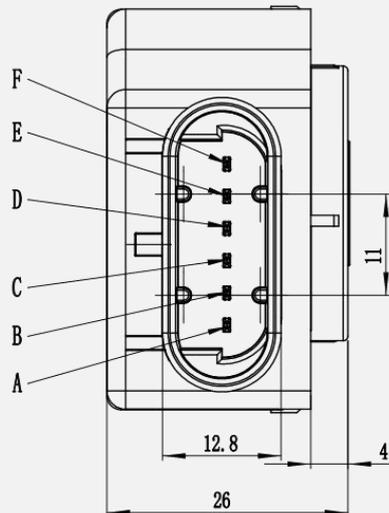
Electrical parameter	
Rated voltage	4.5-5.5V
Rated current	≤24mA
Mechanical angle	103°±2°
Electrical angle	48.5 ° ± 1 ° (programmable settings)
Linearity	± 1%

Environmental parameters	
Working temperature	-40~+85°C
Protection level	IP66
work life	More than 5 million

3 Vs067 output characteristics

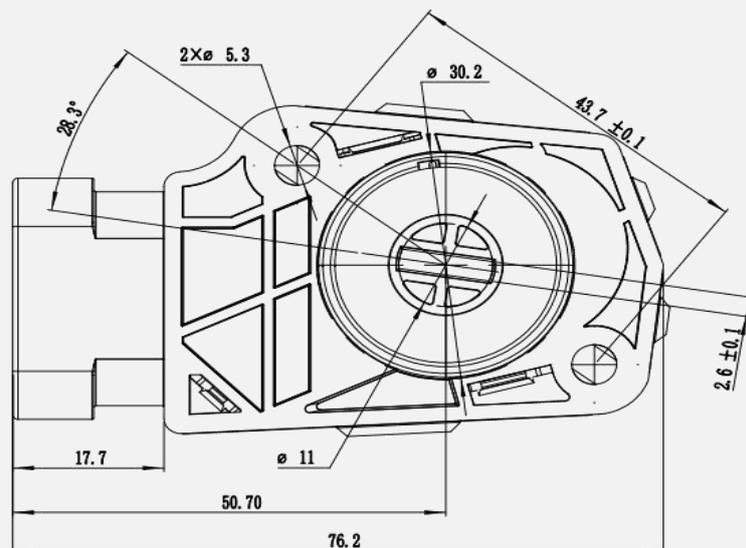


4 APS067 terminal definition



PIN	Function
A	VOUT1
B	GND1
C	VCC1
D	VCC2
E	GND2
F	VOUT2

5 APS067 appearance installation size



6 Precautions for use

(1)The power supply of this product uses an independent power supply,and it is recommended not to be connected in parallel with other loads.Use,In the process,the power supply is not allowed to have serious safety hazards or instability,otherwise it will lead to production,Product invalid!



(2)When using this product,please strictly follow the specified wiring under the specified power supply voltage,Prevent short circuits caused by misoperation and damage to power supplies and sensors.

(3)Do not disassemble the sensor without permission,so as not to cause the sensor to not work normally.

(4)This sensor is a precision device,please handle it with care during use.

(5)Do not use in a strong magnetic field environment.

