

Recommended products



MPn-4C Flammable gas sensor

PK TGS2619-E00

➤ Alcohol-resistant

➤ Vinegar-resistant

➤ Silicon-resistant

➤ Stable in power-off state

➤ Stable in power-on state

➤ Stable in high humidity environment

Introduction

The MPn-4C is manufactured using a multilayer thick-film process that integrates a heating electrode, a measuring electrode, and a metal oxide semiconductor gas-sensitive layer on an Al₂O₃ ceramic substrate, which is encapsulated in a metal housing. When the detected gas is present in the ambient air, the higher the concentration of this gas, the higher the conductivity of the sensor.

Features

- High sensitivity to methane;
- Excellent anti-interference capability;
- Excellent stability;



Specifications

Part Number	MPn-4C	
Product category	Planar Semiconductor Sensor	
Packaging	Metal encapsulation	
Detecting gases	Methane, natural gas, biogas	
Measuring concentration	300 ~ 10000ppm(CH ₄)	
Standard electricity circuit condition	Circuit voltage V _C	≤24V DC
	Heating voltage V _H	5.0V±0.1V AC or DC
	Load resistance R _L	Adjustable
Parameters of gas-sensitive elements	Heating power consumption P _H	≤350mW
	Sensitive body resistance R _S	1KΩ ~ 20KΩ(in 5000ppm CH ₄)
	Sensitivity S	R _S (in air)/R _S (in 5000ppmCH ₄)≥8
Standard Test Conditions	Temperature, humidity	20°C±2°C ; 55%±5%RH
	Preheating time	> 48 hours
	Oxygen concentration	21% (≥18%)
Lifetime	10 years	