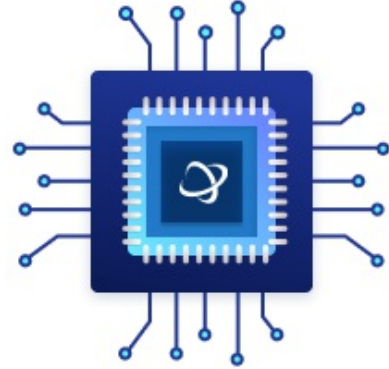


Gas or Liquid Flow Sensor Module

Manufacturers	Renesas Technology Corp
Package/Case	
Product Type	Integrated Circuits (ICs)
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for FS1012-1020-NG or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The FS1012 comprise a MEMS flow sensor mounted on a circuit board with a flow housing. It features a 6-pin standard header connected directly to the MEMS flow sensor.

The FS1012 is capable of measuring a non-corrosive gas or liquid medium. The sensor utilizes thermopile sensing, which provides an excellent signal-to-noise ratio and is ideal for applications requiring low power. It is highly sensitive at low flow rates with a very fast response time.

The set of upstream and downstream thermopiles can be used independently in a single-ended circuit or connected together in a differential configuration.

Features

Measures gas or liquid mediums

Robust solid isolation technology

No cavity in MEMS sensor to cause clogging

Resistant to vibration and pressure shock

Low power application

Fast response time

Millivolt output

Heater supply voltage: 3V to 5V DC

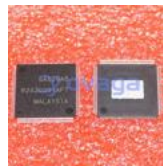
Operating temperature range: 0°C to +85°C

Related Products



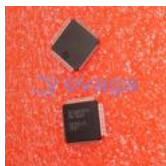
[R1LV0408DSP-5SI](#)

Renesas Technology Corp
SOP32



[R2A20291AFT](#)

Renesas Technology Corp
QFP-128



[DF3687FPV](#)

Renesas Technology Corp
QFP-64



[UPC494GS-E1-A](#)

Renesas Technology Corp
SOP-16



[PS9513](#)

Renesas Technology Corp
SOP-8



[M51958BFP](#)

Renesas Technology Corp
SOP-20



[PS2805C-4](#)

Renesas Technology Corp
SOP16



[R5F21276NFP](#)

Renesas Technology Corp
QFP32