

THERMAL MASS FLOW SENSOR

Manufacturers

[Renesas Technology Corp](#)

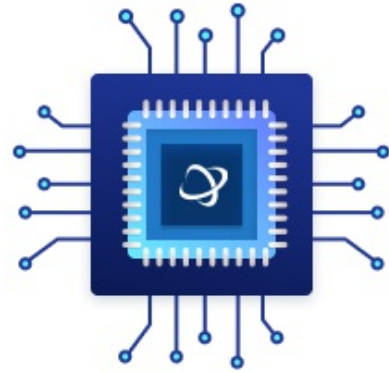
Package/Case

Product Type

Sensors, Transducers

RoHS

Lifecycle



Images are for reference only

Please submit RFQ for FS1012-1100-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

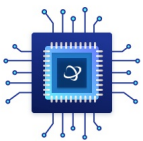
Fast response time

Millivolt output

Heater supply voltage: 3V to 5V DC

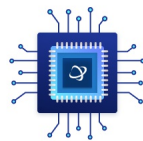
Operating temperature range: 0°C to +85°C

Related Products



[FS2012-1100-NG](#)

Renesas Technology Corp



[FS2012-1020-NG](#)

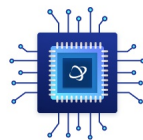
Renesas Technology Corp



[ISL29035IROZ-T7](#)

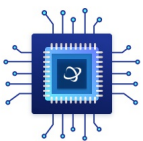
Renesas Technology Corp

DFN-6



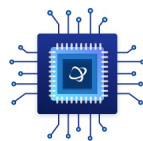
[ZMID5201AE1R](#)

Renesas Technology Corp



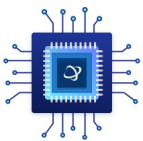
[HS3003](#)

Renesas Technology Corp



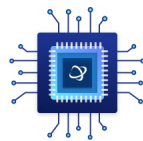
[ZMOD4410AI3V](#)

Renesas Technology Corp



[ZMOD4410AIIV](#)

Renesas Technology Corp



[ZMOD4410AI1R](#)

Renesas Technology Corp