FLUSSO

PRODUCT INFORMATION

FLS122P

The world's **smallest** air velocity sensor

The FLS122P is the world's smallest air velocity sensor. With a footprint of just 3.5 mm x 3.5 mm, it has been designed to offer accurate real-time air velocity and temperature measurements for the most challenging emerging applications, especially those with tight space constraints and low power requirements.

The FLS122P features solid-state sensor technology with ultra-low power consumption built from the ground up with volume and scale in mind. No flow fixture is needed, enabling easy integration into existing flow paths. It's also fully compatible with SMD assembly processes for automated high-speed manufacturing.

Key benefits

- Compact size
- Robust, solid-state sensor
- Ultra-low power
- Easy integration into existing flow paths
- No flow fixtures needed
- Fully compatible with SMD assembly processes

Applications

Hyperscale data centres

Personalised home healthcare

Industrial

Consumer appliances

Powered by
T-MEMS™ technology

PRODUCT INFORMATION

Mechanical specifications
6-pin DFN package
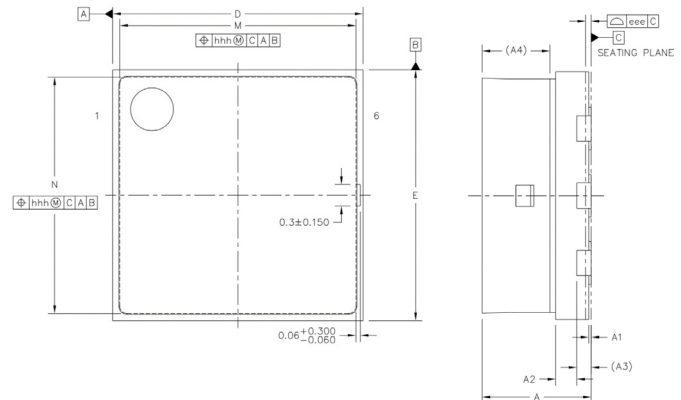3.5 mm x 3.5 mm footprint
2 mm overall height

Features

- Thermal air velocity sensor

- Integrated temperature sensor

- Supplied firmware, running on a standard micro-controller, provides digital flow velocity and temperature readings

- Configurable operating modes and features

Flow sensor specifications

Parameter	Typical value
Footprint	3.5 mm x 3.5 mm
Flow velocity range	up to 20 ms^{-1}
Temperature	-20 to +85 °C
Span accuracy	±5% of m.v.
Repeatability	0.1 ms^{-1} + 0.5% of m.v.

*m.v. is measured value

Ordering guide

Type no	Packing type	Size	Quantity	Part no
FLS122P	Tape & reel	7"	500 min	FLS122P-TR07
FLS122P	Waffle tray	10 cm x 10 cm	Up to 289	FLS122P-WT289

For further application information
or a copy of the full product datasheet
please visit **flussoltd.com**

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