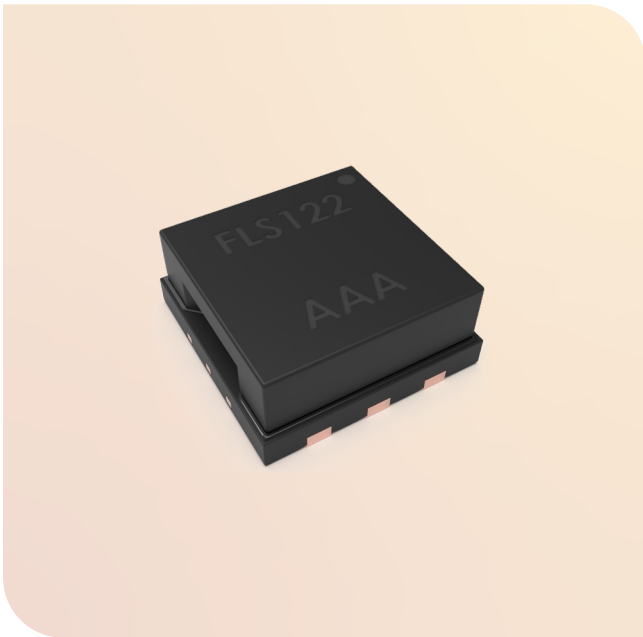


PRODUCT INFORMATION

FLS122



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

The FLS122 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 FLS122 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

PRODUCT INFORMATION



Mechanical specifications

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

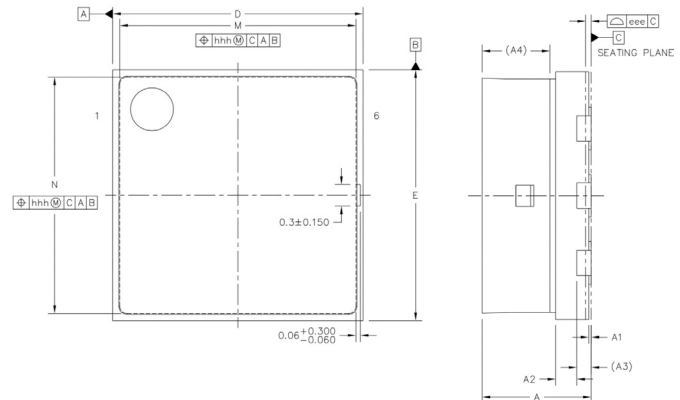
Features

- Thermal air velocity sensor
- Integrated temperature sensor
- Fully temperature-compensated readings
- Supplied firmware provides digital flow 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
FLS122	Tape & reel	7"	500 min	FLS122-TR07
FLS122	Waffle tray	10 cm x 10 cm	1 to 324	FLS122-WT324

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

