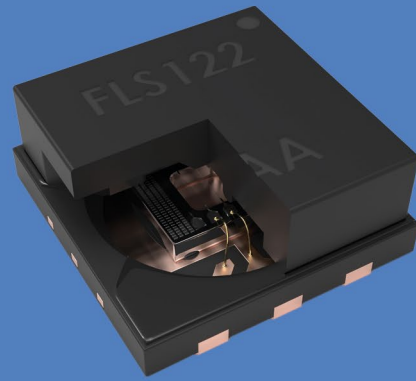




Sensing solutions



Product information

FLS122

The smallest air velocity sensor

FLS122 is designed for high-volume consumer goods applications requiring an air velocity measurement. It will add value to your product by providing an accurate air speed or air flow measurement with near-zero pressure drop. The FLS122 often requires no flow fixture and integrates easily into an existing duct. It measures air velocity directly using a thermal sensing method and can be calibrated to report air velocity or air flow rate. It is uniquely suited to applications with large flow rates but small pressure drops.

Key benefits

- Solid-state sensor
- Ultra-low power
- High precision
- Near-zero pressure drop
- Ultra-small footprint
- Mass airflow calculation
- Easy mechanical integration
- Mass production

Applications



Data centre thermal management



Gaming PCs thermal management



HVAC filter monitoring



Consumer appliances

Product information

Features

- Silicon-MEMS thermal air velocity and air flow sensor
- Firmware running on a standard microcontroller delivers digital flow and airspeed sensing solutions
- Fully temperature-compensated readings
- Programmable operating modes and features
- Fully compatible with SMD assembly processes
- Easy integration into an existing flow path



6-pin DFN package
3.5 mm × 3.5 mm footprint
2 mm overall height

Flow sensor specifications

Parameter	Typical value
Footprint	3.5 mm x 3.5 mm
Air speed range	up to 20 ms ⁻¹
Span accuracy	±5% m.v.*

*m.v. is measured value

Ordering guide

Type no	Packing type	Size	Quantity	Part no
FLS122	Tape & reel	7"	500 min	FLS-122-TR07
FLS122	Waffle tray	10 cm x 10 cm	1 to 324	FLS-122-WT324

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

