



Product information

FLS110

The world's smallest flow sensor

FLS110 is suitable for high-volume consumer applications and high-precision medical or industrial applications. It will add value to your product whether you are trying to detect an obstruction or monitor a flow profile in detail. The FLS110 is very versatile and our digital integration solution gives you the flexibility to optimise its performance-cost ratio for your application.

Key benefits

- Solid-state sensor
- Ultra-low power
- High precision
- Robust
- Ultra-small footprint
- Mass production

Applications



Consumer
appliances



Industrial
systems



Health &
medical



Smart
buildings

Product information

Features

- Silicon-MEMS thermal mass flow sensor
- Firmware running on a standard microcontroller delivers digital flow and differential pressure sensing solutions
- Fully temperature-compensated readings
- Programmable operating modes and features
- Fully compatible with SMD assembly processes

Flow sensor specifications

| Parameter | Typical value |
|-----------------------------|-----------------------------------|
| Footprint | 3.5 mm x 3.5 mm |
| Flow range | 0.001 slm to >500 slm in a bypass |
| Differential pressure range | Up to 500 Pa |
| Repeatability | 0.5 sccm + 0.5% m.v.* |
| Zero point accuracy | 1 sccm |
| Span accuracy | ±3% m.v.* |

*m.v. is measured value

Ordering guide

| Type no | Packing type | Size | Quantity | Part no |
|---------|--------------|---------------|----------|---------------|
| FLS110 | Tape & reel | 7" | 500 min | FLS-110-TR07 |
| FLS110 | Waffle tray | 10 cm x 10 cm | 1 to 324 | FLS-110-WT324 |

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



6-pin DFN package
3.5 mm x 3.5 mm footprint
3 mm overall height

Mechanical specifications

