

Flow sensing solutions

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



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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

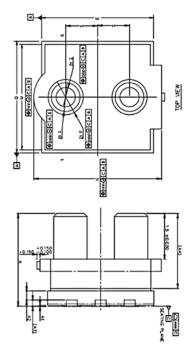
Flow sensor specifications

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.*		



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

Mechanical specifications



*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**

