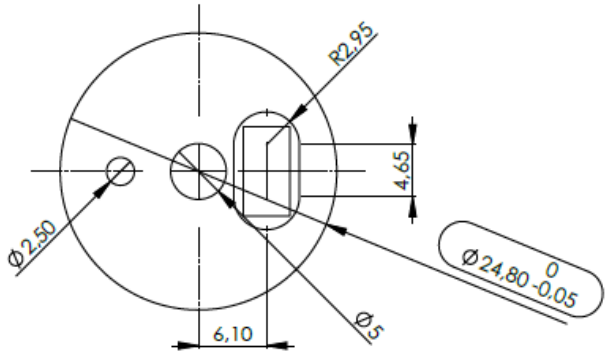
Mass Flow Sensor Board DFC-CSI

- **Precise Measurement**
- **Comprehensive Sensing**
- **Digital Integration**
- **Versatile Use**

Data Sheet

- Measures flow via the differential pressure principle as defined in DIN EN ISO 5167-1 to 4
- Delivers data on differential pressure, absolute pressure, and temperature
- Communicates via I2C with the ECU.
- Ideal for HVAC, compressed air, combustion air Regulation, process air Monitoring and more.

Sensor Dimension



Specification

Operating characteristics

Parameter	Symbol		Value		Unit
		min.	typical	max.	
Supply voltage stabilized; provided by ECU (*)	US	6	6.5	7	V
Supply current at Us=6.5V	IS		19	50	mA
Pressure of medium	pabs	0		18	bar,abs
Temperature of medium	Tmedium	-40		170	°C
Ambient temperature	Tambient	-40		170	°C
Temperature at electronic board	Tinternal	-40		85	°C
Differential pressure(***)	dp	-300		300	mbar

Maximum ratings

	Symbol	Value	Unit
Supply voltage	$V_{DD,max}$	7	V
Pressure	$p_{abs,max}$	18	bar
Temperature	$T_{,max}$ $T_{,min}$	170 -40	°C °C
Differential pressure	$dp_{,max}$ $dp_{,min}$	300 -300	mbar mbar

Connector

The connector at the sensor is a 6pin JST NSH type.

Pin Number	Symbol
1	SDA
2	SCL
3	Sensor reset
4	VDD (6.5V)
5	GND
6	Reserved

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Questions?

Get in touch with us!
We're looking forward to speaking with you!