



## Mass Flow Sensor

D6F-P MEMS Flow Sensor  
Compact, Highly Reliable Flow-Sensor with Unique Dust Segregation System

- Bi-directional Dust Segregation System keeps particulate away from the sensor element
- PCB terminals and connector models
- High Accuracy within  $\pm 5\%$  F.S.

RoHS

Ordering Information

Ratings / Characteristics

Dimensions

Wiring	Model
PCB mounting type	D6F-P0010A1
Connector type	D6F-P0010A2

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Ratings / Characteristics

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### Absolute maximum rating

Item	Symbol	Rating	Unit
Power Supply Voltage	Vcc	10	VDC
Output Voltage	Vout	4	VDC

### Characteristics

	Model	D6F-P0010A1	D6F-P0010A2
Sensing Flow Range		0-1L/min	
Case Material		Thermoplastic resin	
Applicable Gas		Air	

Recommended operation condition	Operating temperature	-10-+60°C(with no icing or condensation)
	Operating humidity	Under 85% RH(with no icing or condensation)
	Storage temperature	-40-+80°C(with no icing or condensation)
	Storage humidity	Under 85% RH(with no icing or condensation)
Power Supply Voltage	4.75-5.25VDC	
Output Signal	0.5-2.5VDC	
Current Consumption	Max.15mA (No-load, Vcc=5.0VDC)	
Insulation Resistance	20MΩ or more(500VDC, between lead terminal and case)	
Dielectric Strength	500VAC 50/60Hz, 1 minute (Leakage current Typ.1mA, between lead terminal and case)	