

MEMS Flow Sensor

D6F-01/02/05

High Accuracy Mass Flow Sensing

- Small size
- Fast response
- Applicable to air, non-corrosive gas, natural gas
- Applications include: medical respiratory equipment, analysis apparatus, combustion control



Ordering Information

Case	Gas	Flow range	Notes	Model
PPS	Air*	0-1L/min	Integral orifice	D6F-01A1-110
		0-2L/min		D6F-02A1-110
Aluminum	LNG* (13A)	0-5L/min	—	D6F-05N2-000

Ratings

■ Absolute Maximum Rating

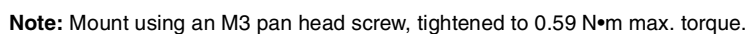
Item	Symbol	Rating	Unit
Power supply	V_{CC}	26.4	VDC
Output voltage	V_{OUT}	6	VDC

■ Recommendation Condition

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Power supply	V_{CC}	—	10.8	—	26.4	VDC
Operating temperature	T_{ORR}	—	-10	—	60	°C
Output voltage (max.)	V_{OH}	$V_{CC} = 12 \text{ to } 24 \text{ VDC}$ $I_{OH} = 5 \text{ mA}$	5	—	5.7	VDC
Output voltage (min.)	V_{OL}	$V_{CC} = 12 \text{ to } 24 \text{ VDC}$ $I_{OH} = 5 \text{ mA}$	0	—	1	VDC

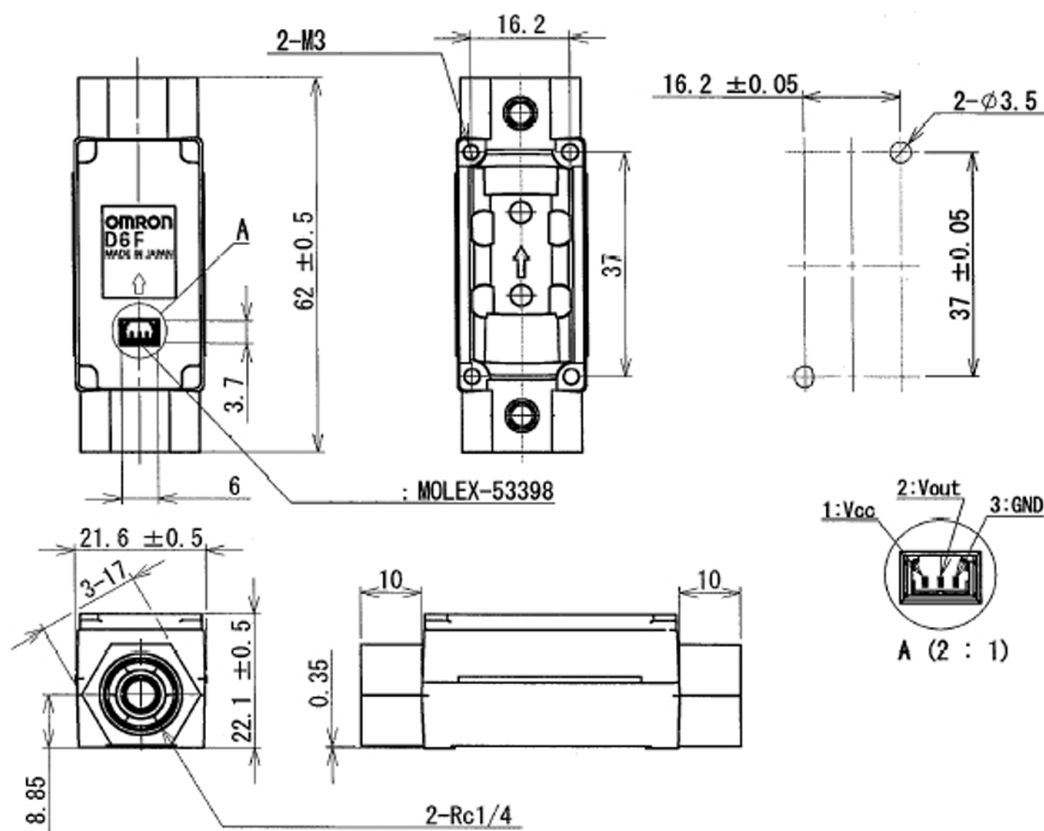
Dimensions

D6F-01A1-110
D6F-02A1-110



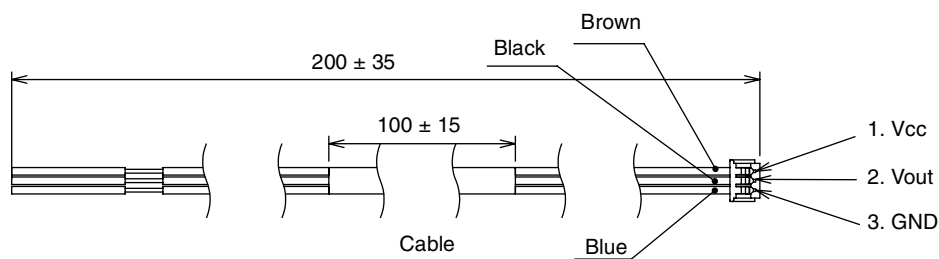
Unit: mm

D6F-05N2-000



Note: Mount using an M3 pan head screw, tightened to 0.59 N•m max. torque.

Applicable Cable for D6F



Housing: Molex - 51021
Terminal: Molex - 50079
Wire: 26-28 AWG

Omron Electronic Components, LLC

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ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.

To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.

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