# **NEXT** ▶

# **Component Sensors**

# OMRON D6BN SERIES: MICRO TILT SENSOR

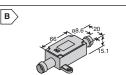
- Surface mounting tilt sensor fits space-confined installations Low profile 2mm Detect tilting over a range of 40 to 80 degrees in right-and-left inclination
- · Gull wing surface mount terminals
- Operating temperature range: -10°C to 60°C

- Ideal for PDAs, cell phones, test equipment. digital cameras and video cameras to change aspect ratio automatically
- Replaces mercury switches in portable space heaters and gaming machines, such as pinball games, and slot machines



RoHS Compliant

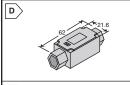
MOUSER	Omron	Fig.	Operating Voltage	Operation Angle		Price	Each	
STOCK NO.	STOCK NO. Part No.		Operating voltage	Operation 7 trigle	1	10	25	50
653-D6BN-1(P)	D6BN-1(P)	Α	2.4 to 3.6 VDC	40° to 80°	5.60	5.03	4.61	4.19

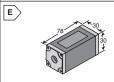


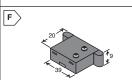
DIMENSIONS: mm

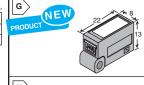


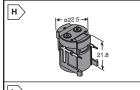


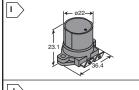


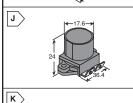














# OMRON D6F SERIES: GAS MASS FLOW SENSORS

World's Smallest Flow Sensor Elements!

The exceptional performance of the D6F is achieved using the world's smallest, supersensitive flow sensor elements with an area of just 1.5mm sq. achieving a size of just 1.7th that of other flow sensors in the same class. The D6F is suitable for gas flows of up to 10m/s from any direction.

### Specifications:

- Dielectric strength: 500VAC between terminals and base • Operating temperature: -10 to 60°C

### Features: · Small size

- Fast response
- Applicable to air, non-corrosive gas, LNG Ideal for looking at low pressure
- medical gases, boiler emissions, and HVAC system airflow
- · Analysis instruments For quantities of 10 and up, call for quote

Medical equipment
Combustion control

To quantition of the art alp) out for quotes										
MOUSER Omron		Fig.	Rated	Applicable	Case	Power Supply	Output Voltage	P	rice Eac	h
STOCK NO.	Part No.	li ià.	Range	Fluid	Material	(Vcc Max)	(Vout Max)	1	2	5
653-D6F-01A1-110	D6F-01A1-110	В	0-1L/min.	Air	PPS	26.4 VDC	6 VDC	180.00	162.00	159.60
653-D6F-02A1-110	D6F-02A1-110	В	0-2L/min.	Air	PPS	26.4 VDC	6 VDC	180.00	162.00	159.60
653-D6F-03A3-000	D6F-03A3-000	C	0 - 3 L/min.	Air	Thermoplastic/	26.4 VDC	5.7 VDC	194.38	186.22	178.45
					Aluminum					
653-D6F-05N2-000	D6F-05N2-000	D	0-5L/min.	Liquid Natural Gas	Aluminum	26.4 VDC	6 VDC	270.00	243.00	229.50
653-D6F-10A5-000	D6F-10A5-000	E	0-10L/min.	Air	PPS	26.4 VDC	6 VDC	270.00	240.50	218.45
653-D6F-20A5-000	D6F-20A5-000	E	0-20L/min.	Air	PPS	26.4 VDC	6 VDC	270.00	240.50	218.45
653-D6F-50A5-000	D6F-50A5-000	E	0-50L/min.	Air	PPS	26.4 VDC	6 VDC	270.00	240.50	218.45

### Cables

	es or ro a	iiu up, caii	ioi quote.		
MOUSER	Omron	Description	P	rice Each	ı
STOCK NO.	FOCK NO. Part No.	Description	1	2	5
653-D6F-CABLE1	D6F-CABLE1	For D6F-01, D6F-02, D6F-05, D6F-10, D6F-20, D6F-50 Gas Mass Flow Sensors	9.40	8.45	8.00
653-D6F-CABLE2	D6F-CABLE2	For D6F-03 Gas Mass Flow Sensor	6.46	6.02	5.67

# OMRON D6F-W SERIES: GAS VELOCITY AND CLOGGED FILTER SENSORS

### Features:

- istant design has been taken into consideration, by the original dust segregation structure of OMRON.
- ±10% Full-Scale repeatable accuracy achieves consistent air velocity measurement
- · Applications include clogged-filter detection and air velocity.

For quantities of 10 and up, call for quote.										
Output Voltage	F	rice Eac	h							
(Vout Max)	1	2	5							

4.28

Price Each

3.85

3.63

MOUSER	Omron	Fig.	Rated	Applicable	Case	Power Supply		P	rice Eacl	n	
STOCK NO.	Part No.	li ig.	Range	Fluid	Material	(Vcc Max)	(Vout Max)	1	2	5	
653-D6F-W01A1	D6F-W01A1	F	1 m/sec	Air	PPS	10-26.4 VDC	1-5 V non-linear	90.00	85.00	80.00	
653-D6F-W04A1	D6F-W04A1	F	4 m/sec	Air	PPS	10-26.4 VDC	1-5 V non-linear	90.00	85.00	80.00	
653-D6F-V03A1	D6F-V03A1	G	0-3 m/sec	Air	Thermoplastic resin	12.0 VDC	3.0 V	39.75	35.79	31.80	
Cable For quantities of 10 and up call for quote											

# Part No 653-D6F-WCABLE D6F-WCABLE OMRON. D7 SERIES VIBRATION SENSORS

- Quick detection of movements that could cause
- damage to equipment

MOUSER

STOCK NO.

### Applications:

- Industrial equipment
- · Any system requiring safety shutoff during

Description

Cable for D6F Clog Sensor

a period of vibration or tilting
----------------------------------

- DINDIL - Adio-resettable - No mandar setting required					a period of vibration of tilting	For quantities	es of 25 an	d up, call	for quote.	
MOUSER			Omron Eig Detection Contact		Detection Contact Description		Contact	P	rice Eac	h
STOCK NO.			Description	Rating	1	5	10			
653-D7A-1	D7A-1	Н	90-170gal	SPST-NO	Horizontal PCB mount	5mA@ 3VDC - 1mA @ 3VDC	25.29	22.35	22.02	
653-D7A-2	D7A-2	Н	90-170gal	SPST-NO	Vertical PCB mount	5mA@ 3VDC - 1mA @ 3VDC	25.29	22.35	22.02	
653-D7A-3	D7A-3	Н	90-170gal	SPST-NO	Chassis mount	5mA@ 3VDC - 1mA @ 3VDC	30.32	27.96	26.45	
653-D7E-1	D7E-1	1	130-200gal	SPST-NC	Sealed vibration sensor	0.1mA @ 5VDC - 100mA @ 30VDC	7.31	6.98	6.62	
653-D7E-2	D7E-2	1	100-170gal	SPST-NC	Sealed vibration sensor	0.1mA @ 5VDC - 100mA @ 30VDC	4.82	4.30	4.06	
653-D7E-3	D7E-3	1		SPST-NC	Tilt switch, 50-80° detection angle	0.1mA @ 5VDC - 100mA @ 30VDC	7.31	6.98	6.62	

## **ALPS SPSA VIBRATION SENSOR**

### Specifications:

Ratings: 1mA @ 5VDC to 100mA @ 30VDC
Operating life: 5000 cycles

Resistant to corrosive gas and humidity
Sliding contact with high reliability

Combustion equipment and aquarium heaters

Detection of tampering

	To quantities of 100 and up; can for quote										
MOUSER	ALPS Part No.	Eia	Detection	Contact	Vibration		Price Each				
STOCK NO.		l ig.	Sensitivity	Form	Specification	1	25	50			
688-SPSA100100	SPSA100100	J	130 - 200 gal (cm/s2)	SPST-NC	10-55 Hz, 1.5mm total amplitude	7.48	5.24	4.49			

# **ALPS** SPSF VIBRATION/TILT SENSOR

# Specifications:

Copyright 2007 Mouser Electron

- Detects tilt movement in 4 directions
- Applications:
  - Detection of vertical/horizontal in handheld devices . Detection of posture and movement of toy or robot

	For quantities of 100 and up, call for quote												
MOUSER	ALPS		Detection	Contact	Dimensions		Price Each						
STOCK NO.	Part No.	Fig.	Angle	Rating	(LxWxH)	1	25	50					
688-SPSF100100	SPSF100100	K	50°± 20°	1mA @ 5VDC	6.2mm X 6.2mm X 3.4mm	2.92	2.04	1.75					

www.mouser.com

Mouser Catalog Download

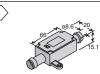
(800) 346-6873

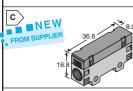
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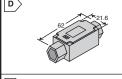
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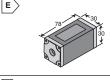
For quantities of 100 and up, call for quote

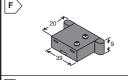
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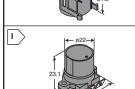


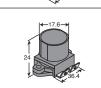












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