

# Characteristics

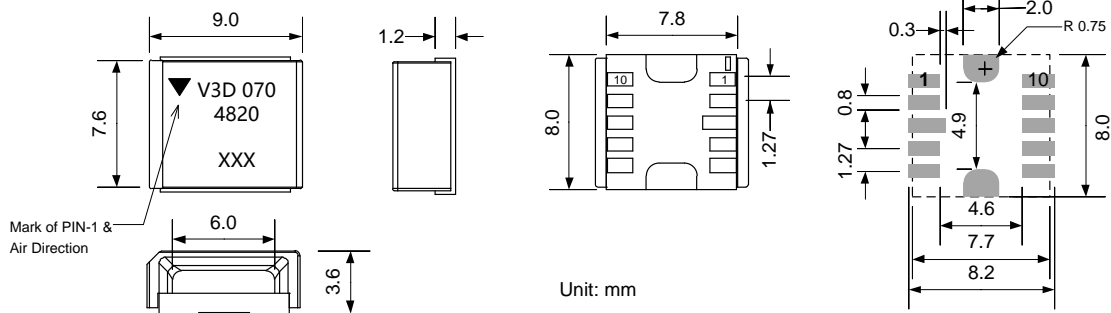
PRELIMINARY

Test Conditions: 5V (analog), Ta=25°C. Relative Humidity: 40%<RH<60%

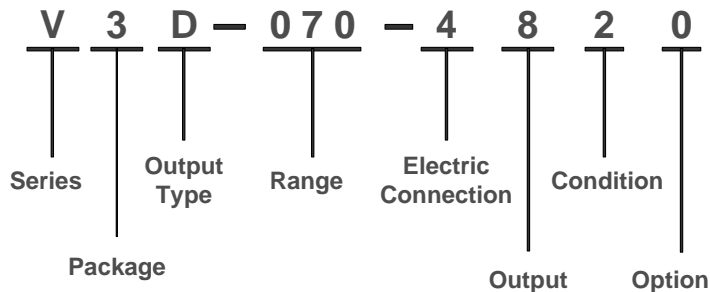
Parameters	Min	Typ	Max	Unit
Supply Voltage <sup>1</sup>	2.75	5	5.5	V
Supply Current		17	21	mA
Range of Flow Rate <sup>2</sup>	0		7	m/s
Output - Digital	12			Bit
Accuracy	5%FS A(analog) or 5% of reading + 0.1 m/s (digital)			
Relative Humidity <sup>3</sup>	5		95	%
Response Time		5	15	ms
Temperature - Reference <sup>4</sup>		25		°C
Temperature - Operating <sup>4</sup>	- 5		+85	°C
Temperature - Storage	-40		105	°C
Wetted Materials	Silicon carbide, epoxy, PPE+PS, FR4			
Weight	4			g

## Notes:

1. Other supply is also available upon request.
2. 30 sccm to 4000 sccm; Mass flow emulation.
3. Non-condensing
4. Thermal error is 0.2%FS/100 °C which is designed parameter.



## Ordering Information



<b>V</b>	Air Velocity
<b>3</b>	SMD
<b>D</b>	Digital
<b>070</b>	7 m/sec
<b>4</b>	Soldering pads
<b>8</b>	IIC
<b>2</b>	20 deg C
<b>0</b>	Standard

## Pinout Assignment

Pad	Description
1	V <sub>OREG</sub>
2	V <sub>DD</sub>
3	V <sub>SS</sub>
4	N.C.
5	N.C.
6	SDA
7	SCL
8	AN1
9	AN0
10	V <sub>CM</sub>

08-19 R3

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