

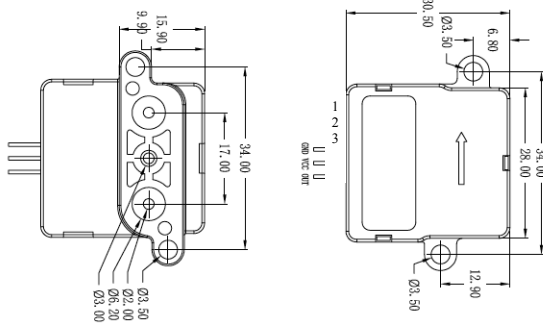
Preliminary

Mass Airflow Sensors

ELECTRICAL CHARACTERISTICS					
Test Conditions: $V_{in}=10\pm 0.01VDC$, $T_a=25^{\circ}C$. Relative Humidity: $40\%<RH<60\%$ Maximum Operating Temperature Range $-25^{\circ}C$ to $+85^{\circ}C$					
	Flow Range				
PMF6050V	0 .. 10		SCCM	¹	
PMF6100V	0 .. 30		SCCM		
PMF6101V	0 .. 200		SCCM		
PMF6102V	0 .. 1000		SCCM		
PMF6106V	0 .. 6000		SCCM		
SPECIFICATIONS	MIN	TYP	MAX	UNIT	CONDITIONS
Analog Voltage Output, Linear	1		5	VDC	
Null Voltage	.95	1	1.05	VDC	
Null Drift		0.5		% F.S.	Per year
Repeatability		0.5		% F.S.	
Load		100		K Ω	
Accuracy (Full Scale) ⁴		2	3	% F.S.	0°C to +50°C
Response Time		10	15	mSec	
Supply Voltage ⁵	8	10	14	VDC	
Supply Current	22		23	mA	
Wetted Materials	Silicon carbide, Epoxy, PPS, FR4, Silicone as static seal				

1. SCCM: standard cubic centimeter per minute. Standard conditions: 0 °C and 1 atmosphere

Package Dimensions



Pin Assignment

1	Ground
2	Vcc
3	Output

Ordering Information

Part Number	Specifications
PMF6050V	1 to 5 V, linear; 0 to 10 sccm
PMF6100V	1 to 5 V, linear; 0 to 30 sccm
PMF6101V	1 to 5 V, linear; 0 to 200 sccm
PMF6102V	1 to 5 V, linear; 0 to 1000 sccm
PMF6106V	1 to 5 V, linear; 0 to 6000 sccm