

Preliminary

Mass Airflow Sensors

Electrical Characteristics

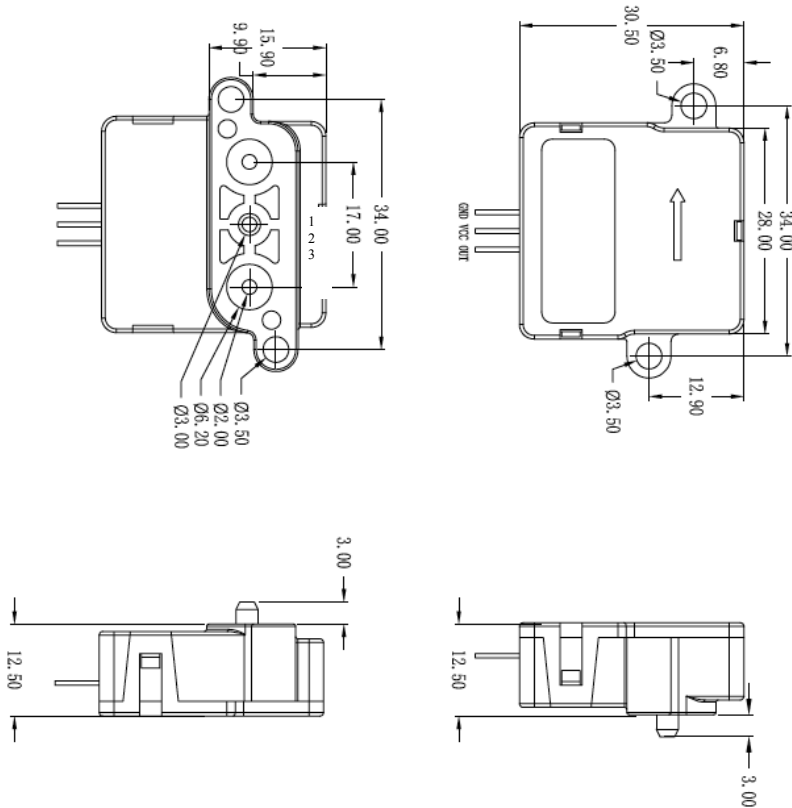
Test Conditions: $V_{in}=10\pm 0.01V_{DC}$, $T_a=25^{\circ}C$

PARAMETERS	PMFc43300V			UNIT	CONDITIONS
	MIN	TYP	MAX		
Flow Range (Full Scale)			1000	SCCM	
Pressure Drop		600		Pa	@ 1000 sccm
PARAMETERS	PMFc43600V			UNIT	CONDITIONS
	MIN	TYP	MAX		
Flow Range (Full Scale)			6	SLPM	
Pressure Drop		9000		Pa	@ 6 SLPM
PMFc40000 SERIES					
Output Voltage		5		VDC	@ Full Scale
Null Voltage	0.95	1.00	1.05	VDC	
Null Voltage Shift			50	mV	0°C - +50°C
Output Voltage Shift			3	% F.S.	0°C - +50°C
Supply Voltage	8	10	14	VDC	
Operating Current	22		24	mA	
Response Time		10	15	msec	
Repeatability & Hysteresis			±0.50	%	
Common Mode Pressure		25	100	psi	
Wetted Materials	Silicon carbide, Silicon, Epoxy, PPS, FR4, Silicone as static seal				

Output vs. Interchangeability; Supply = 10 Vdc, $T_a = 25^{\circ}C$

PMFc43300V			PMFc43600V		
Flow sccm	Nom. Vout	Tol. ±V	Flow sccm	Nom. Vout	Tol. ±V
0	1.00	0.05	0	1.00	0.05
100	2.49	0.08	1000	3.10	0.08
200	3.23	0.08	2000	3.80	0.08
300	3.76	0.05	3000	4.40	0.05
400	4.15	0.08	4000	4.70	0.08
500	4.43	0.08	5000	4.89	0.08
600	4.63	0.05	6000	5.00	0.08
700	4.78	0.08			
800	4.89	0.08			
900	4.97	0.08			
1000	5.00	0.08			

Package Dimensions



Pin Assignment

1	Ground
2	Vcc
3	Output

Unit: mm

Ordering Information

Part Number	Specifications
PMFc43300V	Compatible with AWM43300V; 1 to 5 V; 0 to 1000 SCCM
PMFc43600V	Compatible with AWM43600V; 1 to 5 V; 0 to 6 SLPM