

高地補正用小型大気圧センサ

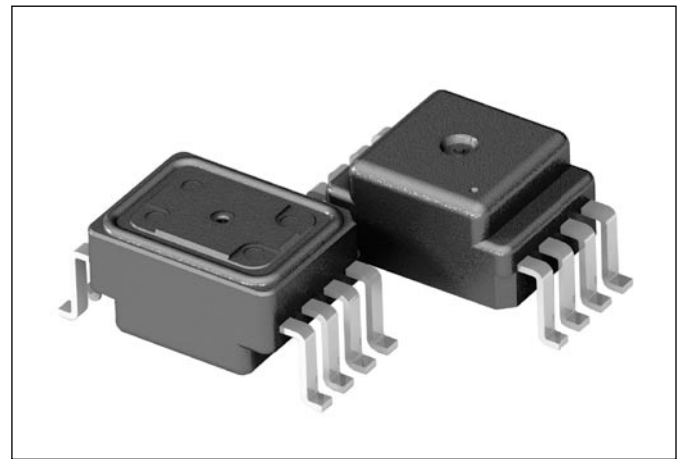
Pressure Sensor for High Altitude Compensation

1 chip 技術により、大気圧センサの小型化を実現

It is realized small size of barometric air pressure sensor by 1 chip technology

■特長 Features

- 小型表面実装タイプ
モールド部寸法：7.4 × 5.6 (mm)
- 1チップタイプ～センサ部、EPROM調整回路、ESD保護素子、EMIフィルタ及び自己診断回路を内蔵
- SMD(Surface Mount Device)-Type Small Package
Dimension(Mold Part) : 7.4×5.6(mm)
- “All in one chip solution”
(Sensor Element, EPROM trimming circuit, EMC Protect Device, EMI Filter and Diagnosis circuit)



■用途 Applications

- 燃料噴射制御時の大気圧検知 (高地補正用)
- Pressure Sensing for High Altitude

■仕様 Specifications

Item	Symbol	Unit	Min	Typ	Max	
Over Voltage	Vov	V	—	—	16.50	
Proof Pressure	Ppr	%F.S.	—	—	200	
Burst Pressure	Pbu	%F.S.	—	—	300	
Operating Voltage	Vop	V	4.75	5.00	5.25	
Operating Pressure (Absolute)	Pop	kPa	10	0	120	
Operating Temperature	Top	degC	-40	—	135	
Output Voltage	Vo	V	0.50	—	4.50	
Pressure Error (10~85degC)	Ep	%F.S.	—	—	1.00	
Temperature Error (-40/135degC)	Et	%F.S.	—	—	2.00	
Interface	A : Pull up resistor	Rpu	kohm	300	—	—
	B : Pull down resistor	Rpd	kohm	100	—	—
Diagnostics	A	VCC open	Vdl	V	0.20	—
		VOUT open	Vdu	V	—	4.80
		GND open	Vdu	V	—	4.80
	B	VCC open	Vdl	V	0.20	—
		VOUT open	Vdl	V	0.20	—
		GND open	Vdu	V	—	4.80

