

Pressure Sensor for High Altitude Compensation

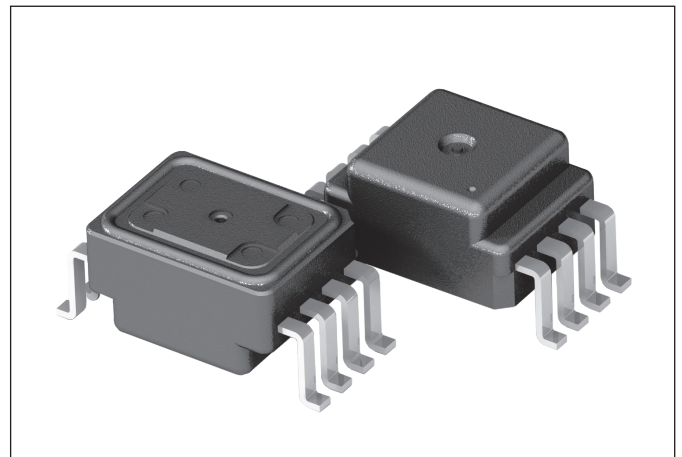
It is realized small size of barometric air pressure sensor by 1chip technology

■ Features

- 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)

■ Applications

- Pressure Sensing for High Altitude



■ 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

