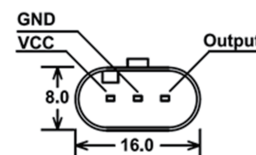
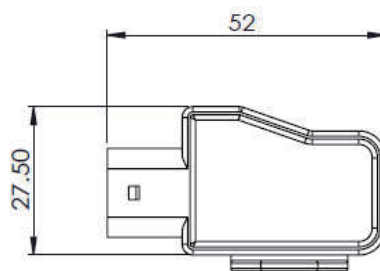
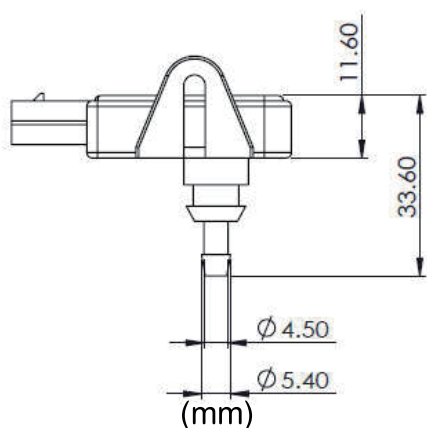


► SPECIFICATION



- Module Name: Shadow Boost Sensor
- Sensor Type: Absolute Pressure Sensor
- Maximum Pressure: 400 kPa
- Storage Temperature: -40 °C ~ +125 °C
- Operating Temperature: -40 °C ~ +125 °C

► FEATURES

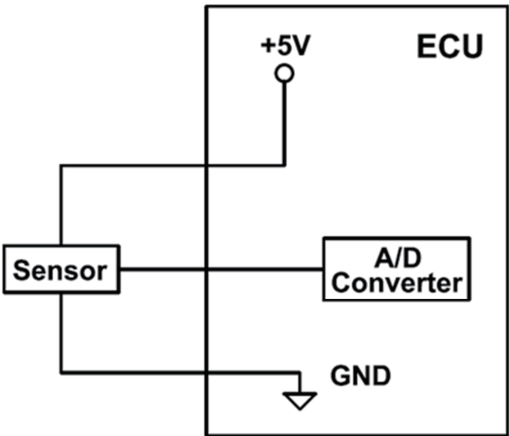
- Improved accuracy at high temperature
- 1.5% maximum error over 0 °C to 85 °C
- Fully calibrated and compensated
- Temperature compensated
- From -40 °C to +125 °C

► OPERATING CHARACTERISTICS

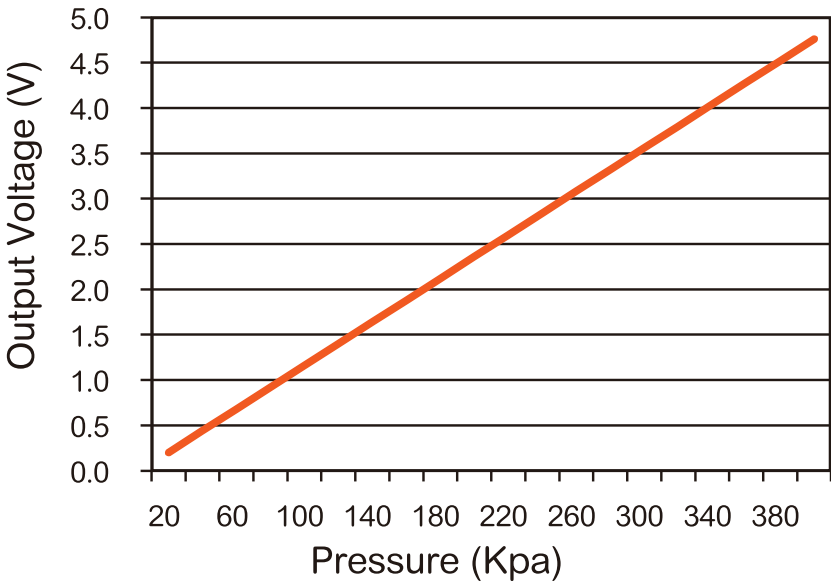
Characteristic	Min	Typ	Max	Unit
Pressure Range	20	--	400	kPa
Supply Voltage	4.65	5.00	5.35	Vdc
Supply Current	--	6.0	10.0	mAdc
Minimum Pressure Offset (0 to 85 °C) @ VS = 5.0 Volts	0.135	0.2	0.27	Vdc
Full-scale Output (0 to 85 °C) @ VS = 5.0 Volts	4.733	4.8	4.866	Vdc
Full-scale Span (0 to 85 °C) @ VS = 5.0 Volts	4.467	4.6	4.733	Vdc

Characteristic	Min	Typ	Max	Unit
Accuracy (0 to 85 °C)	--	--	± 1.5	%VFss
Sensitivity	--	12.1	--	mV/kPa
Response Time	--	1.0	--	ms
Warm-up Time	--	23	--	ms
Offset Stability	--	± 0.25	--	%VFss

Circuit Schematic

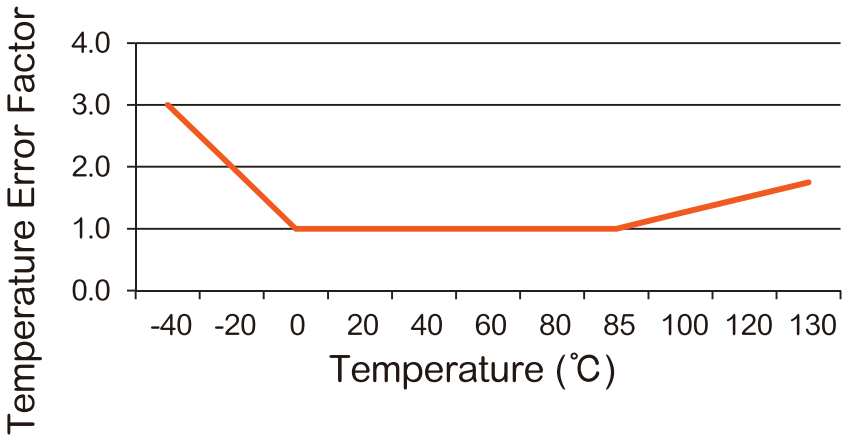


Output Correspondence Table



Normal Transfer Value:
 $VOUT = Vs \times (0.002421 \times P - 0.00842)$
 $\pm \text{Pressure Error} \times \text{Temp. Factor} \times 0.002421 \times Vs$
 $Vs = 5.0 \pm 0.36 \text{ VDC}$; Temperature = 0 to 85 °C

Temperature Error Chart



Pressure Error Chart

Pressure (in kPa)	
Pressure	Error (kPa)
Pressure	Error (Max)
20 to 400 (kPa)	± 5.5 (kPa)

When the product needs to be repaired, please collect the product body and accessories and return them to the original place of purchase.



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