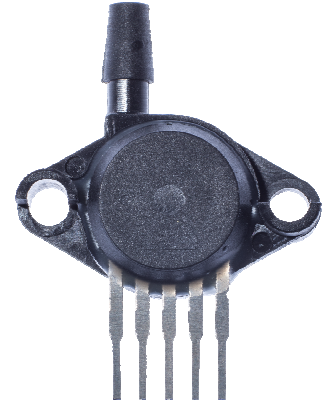


### ABSOLUTE PRESSURE SENSOR WITH COMPENSATED ANALOGUE OUTPUT

This Smartec pressure sensor has an amplified analogue output. The sensor is compensated for offset, sensitivity, temperature drift and nonlinearity. The sensor has a range of 7 PSI (50 kPa) differential and the output is ratiometric to the power supply voltage.



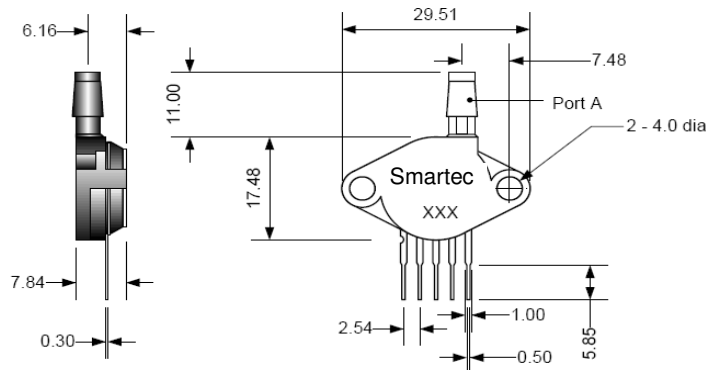
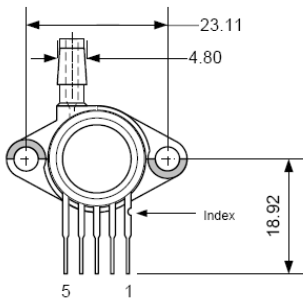
Performance Characteristic @ Vcc = 5V and @ 25 °C

Parameter	Min	Typ	Max	Units.
Supply Voltage	4.75	5.00	5.25	V
Supply Current	-		2.5	mA
Pressure range (fs)	15		50	kPa
Zero Output (Dif)	0,088	0,2	0,313	Vdc
Span output		4.5		Vdc
Linearity			±0.5	%FS
Accuracy *)			±2.5	%FS
Response time		1	2	ms
Pressure overload			3X	rating
Temp compensation	0		50	°C
Operating Temp range	-10		70	°C
Storage temperature	-40		125	°C

**\*) ALL ERRORS INCLUDED**

- Output is ratiometric to Vcc
- Zero output is @ the minimum rated pressure

#### Dimension



Use of N.C. pins will cause malfunction  
Connect between Gnd and Vcc a capacitor of 100 nF

Pin	Description
1	NC
2	Vcc
3	Output
4	Gnd
5	NC

**Drawings not correct**