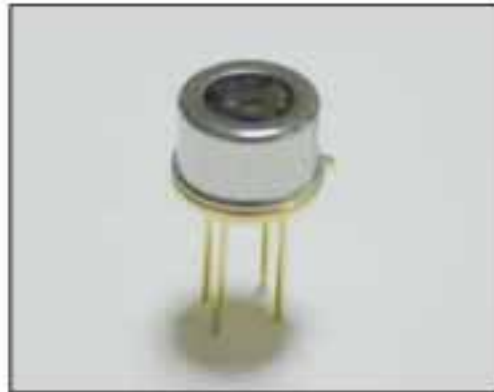


STS015Q4F Pressure Sensor



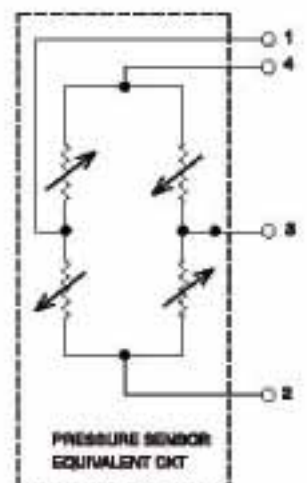
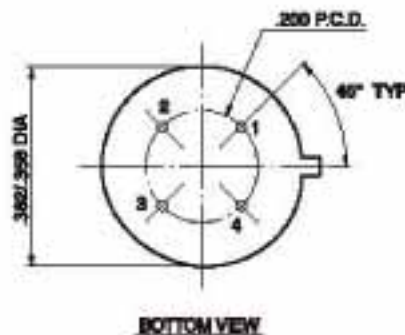
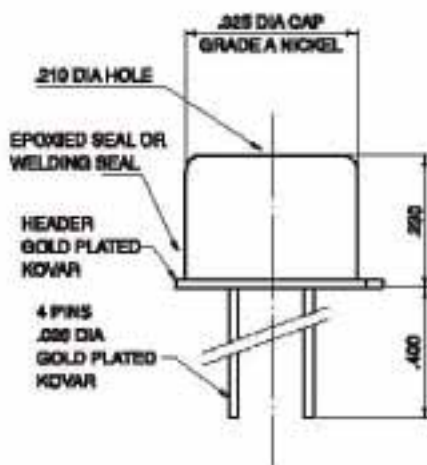
FEATURES

- Low Cost Sensor Element
- Solid State Reliability
- Absolute Pressure
- Constant Voltage or Constant Current Drive

APPLICATIONS

- Altimeters
- Weather Station
- Pneumatic Control
- Cable Fault Detection

DIMENSION



PIN#	PIN OUT
1	Vs-
2	Out+
3	Vs+
4	Out -

Input 5VDC at 25C.

Item	Min	Type	Max	Units
Excitation Voltage	0	5.0	10.0	V
Excitation Current	0	1.5	3.0	mA
Offset	-25	0	+25	mV
Span (FS Range) 15psi	110	145	180	mV
TC Span	-0.1	0	+0.1	%FS/°C
TC Offset	-0.1	0	+0.1	%FS/°C
Linearity	-0.3	0	+0.3	%F.S
Bridge Impedance	2.6	3.1	3.6	KΩ
Pressure Overload			2 ×	Pressure Rated.F.S.
Operating Temp.	-40		125	°C
Storage Temp.	-10		80	°C

Input 3VDC at 25C

Item	Min	Type	Max	Units
Excitation Voltage	0	3.0	10.0	V
Excitation Current	0	1.5	3.0	mA
Offset	-15	0	+15	mV
Span (FS Range) 15psi	66	87	108	mV
TC Span (remark 1)	-0.1	0	+0.1	%FS/°C
TC Offset	-0.1	0	+0.1	%FS/°C
Linearity	-0.3	0	+0.3	%F.S
Bridge Impedance	2.6	3.1	3.6	KΩ
Pressure Overload			2 ×	Pressure Rated.F.S.
Operating Temp.	-40		125	°C
Storage Temp.	-10		80	°C

Remark 1:

TC Span means: Temperature Coefficient in Span