EXAMPLE 1 HIGH TEMPERATURE IS® PRESSURE TRANSDUCER

HEL-312 (M) SERIES

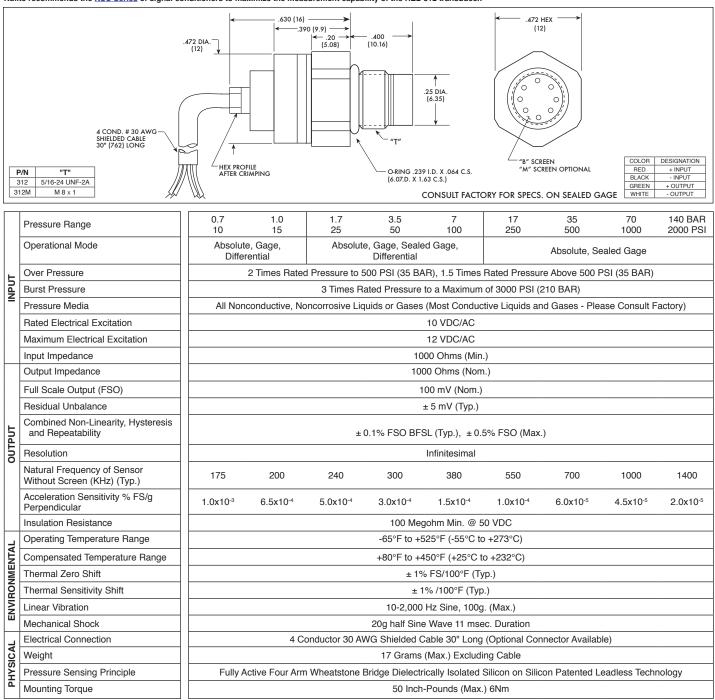
- Small Pressure Sensitive Area
- Patented Leadless Technology VIS[®]
- High Natural Frequency
- No Internal Lead Flexing
- Extra Low G Sensitivity
- -65°F To 525°F Temperature Capability

The ruggedness of this sensor has not compromised its performance. It was designed for ease of installation and will operate properly in any medium compatible with 15-5 SS or SiO₂. Coupled with high temperature, its Patented Leadless Construction makes it possible for the sensing unit to be installed in such a way that will not compromise its high natural frequency.

Part performance not guaranteed if used in water.

Kulite recommends the KSC Series of signal conditioners to maximize the measurement capability of the HEL-312 transducer.





Note: Custom pressure ranges, accuracies and mechanical configurations available. Dimensions are in inches. Dimensions in parenthesis are in millimeters. All dimensions nominal. (J) Continuous development and refinement of our products may result in specification changes without notice. Copyright © 2015 Kulite Semiconductor Products, Inc. All Rights Reserved. Kulite miniature pressure transducers are intended for use in test and research and development programs and are not necessarily designed to be used in production applications. For products designed to be used in production programs, please consult the factory.

EXAMPLE 1 HIGH TEMPERATURE IS® PRESSURE TRANSDUCER

HEL-375 (M) SERIES

- Small Pressure Sensitive Area
- Patented Leadless Technology VIS[®]
- High Natural Frequency
- No Internal Lead Flexing
- · Extra Low G Sensitivity

Weight

Pressure Sensing Principle

Mounting Torque

PHYSIC

-65°F To 525°F Temperature Capability

The ruggedness of this sensor has not compromised its performance. It was designed for ease of installation and will operate properly in any medium compatible with 15-5 SS or SiO₂. Coupled with high temperature, its Patented Leadless Construction makes it possible for the sensing unit to be installed in such a way that will not compromise its high natural frequency.

Part performance not guaranteed if used in water.

Kulite recommends the KSC Series of signal conditioners to maximize the measurement capability of the HEL-375 transducer.



Kui	Kulite recommends the KSC Series of signal conditioners to maximize the measurement capability of the HEL-375 transducer.										
		5 DIA. .625 DIA. (15.9)	$\begin{array}{c} \text{DM. (16.8)} \rightarrow \\ \hline \\ \hline \\ (8.1) \rightarrow \\ \hline \\ \hline \\ \\ \hline \\ \\ \hline \\ \\ \\ \\ \\ \\ \\ \\ \\$	SI .3 (7 L	 .17 NOM. (4.3) .32 NOM. (8.1) 	"M" 50	5/8 HE X (15.9)		375M	"T" 3/8-24 UNJF-3A M 10 × 1 ESIGNATION + INPUT - INPUT + OUTPUT - OUTPUT	
	Pressure Range	0.7 10	1.0 15	1.7 25	3.5 50	7 100	17 250	35 500	70 1000	140 BAR 2000 PSI	
	Operational Mode	Item instruction Item instruction<									
	Over Pressure	2 Times Rated Pressure to 500 PSI (35 BAR), 1.5 Times Rated Pressure Above 500 PSI (35 BAR)									
INPUT	Burst Pressure	3 Times Rated Pressure to a Maximum of 3000 PSI (210 BAR)									
∣≤	Pressure Media	Most Liquids and Gases - Please Consult Factory (All Media May Not Be Suitable with O-Ring Supplied)									
	Rated Electrical Excitation	10 VDC/AC									
	Maximum Electrical Excitation	12 VDC/AC									
	Input Impedance	1000 Ohms (Min.)									
	Output Impedance	1000 Ohms (Nom.)									
	Full Scale Output (FSO)	100 mV (Nom.)									
	Residual Unbalance	± 5 mV (Typ.)									
5	Combined Non-Linearity, Hysteresis and Repeatability	± 0.1% FSO BFSL (Typ.), ± 0.5% FSO (Max.)									
OUTPUT	Resolution	Infinitesimal									
ō	Natural Frequency of Sensor Without Screen (KHz) (Typ.)	175	200	240	300	380	550	700	1000	1400	
	Acceleration Sensitivity % FS/g Perpendicular	1.0x10 ⁻³	6.5x10 ⁻⁴	5.0x10 ⁻⁴	3.0x10 ⁻⁴	1.5x10 ⁻⁴	1.0x10 ⁻⁴	6.0x10 ^{⋅5}	4.5x10 ⁻⁵	2.0x10 ⁻⁵	
	Insulation Resistance	100 Megohm Min. @ 50 VDC									
F	Operating Temperature Range		-		-65°F to +5	25°F (-55°C to	+273°C)				
TN	Compensated Temperature Range	+80°F to +450°F (+25°C to +232°C)									
ENVIRONMENTA	Thermal Zero Shift	ermal Zero Shift ± 1% FS/100°F (Typ.)									
RO	Thermal Sensitivity Shift	± 1% /100°F (Typ.)									
N	Linear Vibration	10-2,000 Hz Sine, 100g. (Max.)									
	Mechanical Shock	20g half Sine Wave 11 msec. Duration									
AL	Electrical Connection	4 Conductor 30 AWG Shielded Cable 30" Long									
1.2	\A/a is lat	1			47 0						

Note: Custom pressure ranges, accuracies and mechanical configurations available. Dimensions are in inches. Dimensions in parenthesis are in millimeters. All dimensions nominal. (K) Continuous development and refinement of our products may result in specification changes without notice. Copyright © 2014 Kulite Semiconductor Products, Inc. All Rights Reserved. Kulite miniature pressure transducers are intended for use in test and research and development programs and are not necessarily designed to be used in production applications. For products designed to be used in production programs, please consult the factory.

17 Grams (Max.) Excluding Cable

Fully Active Four Arm Wheatstone Bridge Dielectrically Isolated Silicon on Silicon Patented Leadless Technology

80 Inch-Pounds (Max.) 9 Nm

EXAMPLE 1 HIGH TEMPERATURE IS® PRESSURE TRANSDUCER

HEL-375 (M) CO SERIES

- Small Pressure Sensitive Area
- Patented Leadless Technology VIS[®]
- High Natural Frequency
- No Internal Lead Flexing
- Extra Low G Sensitivity
- -65°F To 525°F Temperature Capability

The ruggedness of this sensor has not compromised its performance. It was designed for ease of installation and will operate properly in any medium compatible with 15-5 SS or SiO₂. Coupled with high temperature, its Patented Leadless Construction makes it possible for the sensing unit to be installed in such a way that will not compromise its high natural frequency. Part performance not guaranteed if used in water.

Kulite recommends the KSC Series of signal conditioners to maximize the measurement capability of the HEL-375-CO transducer



Pressure Range 0.7 1.0 1.7 3.5 7 1.7 3.5 7 0.0 1.000 Minute Pressure Range 0.7 1.0 1.7 3.5 7 1.7 3.5 7.0 1.40 BAR Operational Mode 0.7 1.0 1.7 3.5 7 1.7 3.5 7.00 1.40 BAR Operational Mode 0.7 1.0 1.7 3.5 7 1.7 3.5 7.00 1.40 BAR Operational Mode 0.7 1.0 1.7 3.5 7 1.7 3.5 7.00 1.40 BAR Operational Mode 0.7 1.0 1.7 3.5 7 1.0 1.00 2.00 PH Operational Mode 0.7 1.0 1.7 2.5 7 1.0 1.00 2.00 PH <	Kulite recommends the KSC Series of signal conditioners to maximize the measurement capability of the HEL-375-CO transducer.										
Pressure Alange 10 15 25 50 100 260 500 1000 2000 PSI Operational Mode Absolute Absolute Absolute, Sealed Gage Absolute, Sealed Gage Over Pressure 2 Times Rated Pressure to 500 PSI (35 BAR), 1.5 Times Rated Pressure Above 500 PSI (210 BAR) Image: Sealed		.625 DIA. (15.9)	(14.4) NOM LOCK .040 [WIRE HOLES	(10.9) (1	NOM. NOM. .32 DIA. (NOM.) (8.1) ↓ .CONE O - RING 1 ID X .064 CS	"M" SCREE	(15.9)		375 3/8- 375M 1 PIN DES A - B - C + D -	24 UNJF-3A 4 10 x 1 IIGNATION INPUT INPUT DUTPUT DUTPUT
Operational Mode Absolute		Pressure Range									
Over Pressure 2 Times Rated Pressure to 500 PSI (35 BAR), 1.5 Times Rated Pressure Above 500 PSI (35 BAR) Burst Pressure Media Most Liquids and Gases - Please Consult Factory (All Media May Not Be Suitable with O-Ring Supplied) Rated Electrical Excitation 10 VDC/AC Maximum Electrical Excitation 10 VDC/AC Input Impedance 1000 Ohms (Min.) Output Impedance 1000 Ohms (Mom.) Full Scale Output (FSO) 1000 Nms (Mom.) Resolution ± 5 mV (Typ.) Combined Mon-Linearity, Hysteresis and Repeatability ± 0.1% FSO BFSL (Typ.), ± 0.5% FSO (Max.) Resolution Infinitesimal Natural Frequency of Sensor Without Screen (KHz) (Typ.) 175 200 240 300 380 550 700 1000 1400 Acceleration Sensitivity % FS/g Perpendicular 1.0x10 ³ 6.5x10 ⁴ 5.0x10 ⁴ 3.0x10 ⁴ 1.5x10 ⁴ 1.0x10 ⁴ 6.0x10 ⁶ 4.5x10 ⁵ 2.0x10 ⁵ Mitout Screen (KHz) (Typ.) 1.0x10 ³ 6.5x10 ⁴ 5.0x10 ⁴ 3.0x10 ⁴ 1.5x10 ⁴ 1.0x10 ⁴ 6.0x10 ⁶ 4.5x10 ⁵ 2.0x10 ⁵ Mitou Tariar Frequenc		Operational Mode									
Burst Pressure 3 Times Rated Pressure to a Maximum of 3000 PSI (210 BAR) Pressure Media Most Liquids and Gases - Please Consult Factory (All Media May Not Be Suitable with O-Ring Supplied) Rated Electrical Excitation 10 VDC/AC Maximum Electrical Excitation 12 VDC/AC Input Impedance 0000 Ohms (Nom.) Output Impedance 1000 Ohms (Nom.) Full Scale Output (FSO) 100 mV (Nom.) Residual Unbalance ± 0.1% FSO BFSL (Typ.), ± 0.5% FSO (Max.) Residual Unbalance 1000 Ohms (Nom.) Combined Non-Linearity, Hysteresis and Repeatability ± 0.1% FSO BFSL (Typ.), ± 0.5% FSO (Max.) Resolution Infinitesimal Insulation Resistance 1000 Obsc (Max.) 1400 Operation Sensitivity % FS/g Perpendicular 1.0x10 ³ 6.5x10 ⁴ 5.0x10 ⁴ 3.0x10 ⁴ 1.5x10 ⁴ 1.0x10 ³ 4.5x10 ⁵ 2.0x10 ⁵ Operating Temperature Range -65x ⁺ F to +525 ⁺ F (55 ⁺ C to +223 ⁺ C) - - Operating Temperature Range +60 ⁺ F to +450 ⁺ F (Typ.) - - - - - Insulation Resistance 100 - 2000 Hz Sine, 1000 (Max.)											
Rated Electrical Excitation 10 VDC/AC Maximum Electrical Excitation 12 VDC/AC Input Impedance 1000 Ohms (Min.) Output Impedance 1000 Ohms (Min.) Full Scale Output (FSO) 1000 Ohms (Mom.) Residual Unbalance ± 0.1% FSO BFSL (Typ.), ± 0.5% FSO (Max.) Residual Unbalance ± 0.1% FSO BFSL (Typ.), ± 0.5% FSO (Max.) Residual Unbalance ± 0.1% FSO BFSL (Typ.), ± 0.5% FSO (Max.) Residual Unbalance ± 0.1% FSO BFSL (Typ.), ± 0.5% FSO (Max.) Resolution Infinitesimal Natural Frequency of Sensor Without Screen (KH2) (Typ.) 175 200 240 300 380 550 700 1000 1400 Acceleration Sensitivity % FS/g 1.0x10 ³ 6.5x10 ⁴ 5.0x10 ⁴ 3.0x10 ⁴ 1.5x10 ⁴ 1.0x10 ⁴ 6.0x10 ⁵ 2.0x10 ⁵ Perpendicular 100 Megohm Min. @ 50 VDC Insulation Resistance 100 Megohm Min. @ 50 VDC Thermal Zero Shift ± 1% FS/100°F (Typ.) Thermal Zero Shift	F	Burst Pressure									
Rated Electrical Excitation 10 VDC/AC Maximum Electrical Excitation 12 VDC/AC Input Impedance 1000 Ohms (Min.) Output Impedance 1000 Ohms (Min.) Full Scale Output (FSO) 1000 Ohms (Mom.) Residual Unbalance ± 0.1% FSO BFSL (Typ.), ± 0.5% FSO (Max.) Residual Unbalance ± 0.1% FSO BFSL (Typ.), ± 0.5% FSO (Max.) Residual Unbalance ± 0.1% FSO BFSL (Typ.), ± 0.5% FSO (Max.) Residual Unbalance ± 0.1% FSO BFSL (Typ.), ± 0.5% FSO (Max.) Resolution Infinitesimal Natural Frequency of Sensor Without Screen (KH2) (Typ.) 175 200 240 300 380 550 700 1000 1400 Acceleration Sensitivity % FS/g 1.0x10 ³ 6.5x10 ⁴ 5.0x10 ⁴ 3.0x10 ⁴ 1.5x10 ⁴ 1.0x10 ⁴ 6.0x10 ⁵ 2.0x10 ⁵ Perpendicular 100 Megohm Min. @ 50 VDC Insulation Resistance 100 Megohm Min. @ 50 VDC Thermal Zero Shift ± 1% FS/100°F (Typ.) Thermal Zero Shift	NPL	Pressure Media	Most Liquids and Gases - Please Consult Factory (All Media May Not Be Suitable with O-Ring Supplied)								
Input Impedance 1000 Ohms (Min.) Output Impedance 1000 Ohms (Nom.) Full Scale Output (FSO) 100 mV (Nom.) Residual Unbalance ± 5 mV (Typ.) Combined Non-Linearity, Hysteresis and Repeatability Infinitesimal Resolution Infinitesimal Natural Frequency of Sensor Without Screen (KHz) (Typ.) 175 200 240 300 380 550 700 1400 Matural Frequency of Sensor Without Screen (KHz) (Typ.) 175 200 240 300 380 550 700 1400 Perpendicular Insulation Resistance 100 Megohm Min. @ 50 VDC Operating Temperature Range 65°F to +525°F (55°C to +273°C) Operating Temperature Range 480°F to +450°F (+25°C to +232°C) Thermal Zero Shift ± 1% FS/100°F (Typ.) Thermal Sensitivity Shift ± 1% /10°C F (Typ.) Linear Vibration 200 Hz Sine 10		Rated Electrical Excitation	10 VDC/AC								
Output Impedance 1000 Ohms (Nom.) Full Scale Output (FSO) 100 mV (Nom.) Residual Unbalance ± 5 mV (Typ.) Combined Non-Linearity, Hysteresis and Repeatability ± 0.1% FSO BFSL (Typ.), ± 0.5% FSO (Max.) Resolution Infinitesimal Natural Frequency of Sensor 175 Without Screen (KHz) (Typ.) 175 Acceleration Sensitivity % FS/g Perpendicular 1.0x10 ⁴ Insulation Resistance 100 Megohm Min. @ 50 VDC Operating Temperature Range -65°F to +525°F (-55°C to +273°C) Compensated Temperature Range ± 1% /100°F (Typ.) Thermal Zero Shift ± 1% /100°F (Typ.) Mechanical Shock 20g half Sine Wave 11 msec. Duration Belst112-8-4P-SP-M136 Connector or Equiv. Weight Yeight 170 Grams (Max.) Excluding Cable		Maximum Electrical Excitation	12 VDC/AC								
Full Scale Output (FSO) 100 mV (Nom.) Residual Unbalance ± 5 mV (Typ.) Combined Non-Linearity, Hysteresis and Repeatability 100 mV (Nom.) Resolution 1 Natural Frequency of Sensor Without Screen (KH2) (Typ.) 175 200 240 300 380 550 700 1000 14000 Acceleration Sensitivity % FS/g Perpendicular 1.0x10 ³ 6.5x10 ⁴ 5.0x10 ⁴ 3.0x10 ⁴ 1.5x10 ⁴ 1.0x10 ⁴ 6.0x10 ⁵ 4.5x10 ⁵ 2.0x10 ⁵ Operating Temperature Range		Input Impedance	1000 Ohms (Min.)								
Residual Unbalance ± 5 mV (Typ.) Combined Non-Linearity, Hysteresis and Repeatability ± 0.1% FSO BFSL (Typ.), ± 0.5% FSO (Max.) Resolution Infinitesimal Natural Frequency of Sensor Without Screen (KHz) (Typ.) 175 200 240 300 380 550 700 1000 1400 Acceleration Sensitivity % FS/g Perpendicular 1.0x10 ⁻³ 6.5x10 ⁻⁴ 5.0x10 ⁻⁴ 3.0x10 ⁻⁴ 1.5x10 ⁻⁴ 1.0x10 ⁻⁵ 4.5x10 ⁻⁵ 2.0x10 ⁻⁵ Operating Temperature Range		Output Impedance	1000 Ohms (Nom.)								
Combined Non-Linearity, Hysteresis and Repeatability ± 0.1% FSO BFSL (Typ.), ± 0.5% FSO (Max.) Resolution Infinitesimal Natural Frequency of Sensor Without Screen (KHz) (Typ.) 175 200 240 300 380 550 700 1000 1400 Acceleration Sensitivity % FS/g Perpendicular 1.0x10 ⁻³ 6.5x10 ⁻⁴ 5.0x10 ⁻⁴ 3.0x10 ⁻⁴ 1.5x10 ⁻⁴ 1.0x10 ⁻³ 6.5x10 ⁻⁵ 2.0x10 ⁻⁵ Operating Temperature Range -		Full Scale Output (FSO)	100 mV (Nom.)								
and Repeatability Infinitesimal Resolution Infinitesimal Natural Frequency of Sensor Without Screen (KHz) (Typ.) 175 200 240 300 380 550 700 1000 1400 Acceleration Sensitivity % FS/g Perpendicular 1.0x10 ³ 6.5x10 ⁴ 5.0x10 ⁴ 3.0x10 ⁴ 1.5x10 ⁴ 1.0x10 ⁵ 4.5x10 ⁵ 2.0x10 ⁵ Operating Temperature Range		Residual Unbalance	± 5 mV (Typ.)								
Without Screen (KH2) (1yp.) Acceleration Sensitivity % FS/g Perpendicular Insulation Resistance 1.0x10 ⁻³ 6.5x10 ⁻⁴ 5.0x10 ⁻⁴ 3.0x10 ⁻⁴ 1.0x10 ⁻³ 6.5x10 ⁻⁴ 5.0x10 ⁻⁴ 3.0x10 ⁻⁴ 1.0x10 ⁻⁴ 6.0x10 ⁻⁵ 4.5x10 ⁻⁵ 2.0x10 ⁻⁵ 1.0x10 ⁻³ 6.5x10 ⁻⁴ 5.0x10 ⁻⁴ 1.0x10 ⁻⁴ 1.0x10 ⁻⁴ 6.0x10 ⁻⁵ 4.5x10 ⁻⁵ 2.0x10 ⁻⁵ 1.0x10 ⁻³ 6.5x10 ⁻⁴ 5.0x10 ⁻⁴ 1.0x10 ⁻⁴ 1.0x10 ⁻⁴ 1.0x10 ⁻⁴ 1.0x10 ⁻⁴ 0.0erating 1.0x10 ⁻⁵ 0.0erating 1.0x10 ⁻⁵ 1.0x10 ⁻⁵ 1.0x10 ⁻⁵ 0.0erating 1.0x10 ⁻⁵	ь		± 0.1% FSO BFSL (Typ.), ± 0.5% FSO (Max.)								
Without Screen (KH2) (1yp.) Acceleration Sensitivity % FS/g Perpendicular Insulation Resistance 1.0x10 ⁻³ 6.5x10 ⁻⁴ 5.0x10 ⁻⁴ 3.0x10 ⁻⁴ 1.0x10 ⁻³ 6.5x10 ⁻⁴ 5.0x10 ⁻⁴ 3.0x10 ⁻⁴ 1.0x10 ⁻⁴ 6.0x10 ⁻⁵ 4.5x10 ⁻⁵ 2.0x10 ⁻⁵ 1.0x10 ⁻³ 6.5x10 ⁻⁴ 5.0x10 ⁻⁴ 1.0x10 ⁻⁴ 1.0x10 ⁻⁴ 6.0x10 ⁻⁵ 4.5x10 ⁻⁵ 2.0x10 ⁻⁵ 1.0x10 ⁻³ 6.5x10 ⁻⁴ 5.0x10 ⁻⁴ 1.0x10 ⁻⁴ 1.0x10 ⁻⁴ 1.0x10 ⁻⁴ 1.0x10 ⁻⁴ 0.0erating 1.0x10 ⁻⁵ 0.0erating 1.0x10 ⁻⁵ 1.0x10 ⁻⁵ 1.0x10 ⁻⁵ 0.0erating 1.0x10 ⁻⁵	DAL	Resolution	Infinitesimal								
Perpendicular 1.0x10* 6.5x10* 5.0x10* 1.0x10* 6.0x10* 4.5x10* 2.0x10* Insulation Resistance 100 Megohm Min. @ 50 VDC Operating Temperature Range -65°F to +525°F (-55°C to +273°C) Compensated Temperature Range +80°F to +450°F (+25°C to +232°C) Thermal Zero Shift ± 1% FS/100°F (Typ.) Thermal Sensitivity Shift ± 1% /100°F (Typ.) Linear Vibration 10-2,000 Hz Sine, 100g. (Max.) Mechanical Shock 20g half Sine Wave 11 msec. Duration Electrical Connection BL8112-8-4P-SP-M136 Connector or Equiv. Weight 17 Grams (Max.) Excluding Cable Pressure Sensing Principle Fully Active Four Arm Wheatstone Bridge Dielectrically Isolated Silicon on Silicon Patented Leadless Technology	-NO		175	200	240	300	380	550	700	1000	1400
Operating Temperature Range -65°F to +525°F (-55°C to +273°C) Compensated Temperature Range +80°F to +450°F (+25°C to +232°C) Thermal Zero Shift ± 1% FS/100°F (Typ.) Thermal Sensitivity Shift ± 1% /100°F (Typ.) Inear Vibration 10-2,000 Hz Sine, 100g. (Max.) Mechanical Shock 20g half Sine Wave 11 msec. Duration Electrical Connection BL8112-8-4P-SP-M136 Connector or Equiv. Weight 17 Grams (Max.) Excluding Cable Pressure Sensing Principle Fully Active Four Arm Wheatstone Bridge Dielectrically Isolated Silicon on Silicon Patented Leadless Technology			1.0x10 ⁻³	6.5x10 ⁻⁴	5.0x10-4	3.0x10 ⁻⁴	1.5x10-4	1.0x10 ⁻⁴	6.0x10 ⁻⁵	4.5x10⁻⁵	2.0x10 ⁻⁵
Compensated Temperature Range +80°F to +450°F (+25°C to +232°C) Thermal Zero Shift ± 1% FS/100°F (Typ.) Thermal Sensitivity Shift ± 1% /100°F (Typ.) Linear Vibration 10-2,000 Hz Sine, 100g. (Max.) Mechanical Shock 20g half Sine Wave 11 msec. Duration Electrical Connection BL8112-8-4P-SP-M136 Connector or Equiv. Weight 17 Grams (Max.) Excluding Cable Pressure Sensing Principle Fully Active Four Arm Wheatstone Bridge Dielectrically Isolated Silicon on Silicon Patented Leadless Technology		Insulation Resistance	100 Megohm Min. @ 50 VDC								
Thermal Sensitivity Shift ± 1% / 100°F (Typ.) Thermal Sensitivity Shift ± 1% / 100°F (Typ.) Linear Vibration 10-2,000 Hz Sine, 100g. (Max.) Mechanical Shock 20g half Sine Wave 11 msec. Duration Electrical Connection BL8112-8-4P-SP-M136 Connector or Equiv. Weight 17 Grams (Max.) Excluding Cable Pressure Sensing Principle Fully Active Four Arm Wheatstone Bridge Dielectrically Isolated Silicon on Silicon Patented Leadless Technology		Operating Temperature Range				-65°F to +52	25°F (-55°C to	o +273°C)			
Thermal Sensitivity Shift ± 1% / 100°F (Typ.) Thermal Sensitivity Shift ± 1% / 100°F (Typ.) Linear Vibration 10-2,000 Hz Sine, 100g. (Max.) Mechanical Shock 20g half Sine Wave 11 msec. Duration Electrical Connection BL8112-8-4P-SP-M136 Connector or Equiv. Weight 17 Grams (Max.) Excluding Cable Pressure Sensing Principle Fully Active Four Arm Wheatstone Bridge Dielectrically Isolated Silicon on Silicon Patented Leadless Technology	NTA	Compensated Temperature Range	+80°F to +450°F (+25°C to +232°C)								
International Shock Event and a Shock Electrical Connection BL8112-8-4P-SP-M136 Connector or Equiv. Weight 17 Grams (Max.) Excluding Cable Pressure Sensing Principle Fully Active Four Arm Wheatstone Bridge Dielectrically Isolated Silicon on Silicon Patented Leadless Technology		Thermal Zero Shift	± 1% FS/100°F (Typ.)								
International Shock Event and a Shock Electrical Connection BL8112-8-4P-SP-M136 Connector or Equiv. Weight 17 Grams (Max.) Excluding Cable Pressure Sensing Principle Fully Active Four Arm Wheatstone Bridge Dielectrically Isolated Silicon on Silicon Patented Leadless Technology	NOF	Thermal Sensitivity Shift	± 1% /100°F (Typ.)								
International Shock Event and a Shock Electrical Connection BL8112-8-4P-SP-M136 Connector or Equiv. Weight 17 Grams (Max.) Excluding Cable Pressure Sensing Principle Fully Active Four Arm Wheatstone Bridge Dielectrically Isolated Silicon on Silicon Patented Leadless Technology	N	Linear Vibration	10-2,000 Hz Sine, 100g. (Max.)								
Weight 17 Grams (Max.) Excluding Cable Pressure Sensing Principle Fully Active Four Arm Wheatstone Bridge Dielectrically Isolated Silicon on Silicon Patented Leadless Technology	ш	Mechanical Shock	20g half Sine Wave 11 msec. Duration								
Weight 17 Grams (Max.) Excluding Cable Pressure Sensing Principle Fully Active Four Arm Wheatstone Bridge Dielectrically Isolated Silicon on Silicon Patented Leadless Technology Mounting Torque 80 Inch-Pounds (Max.) 9 Nm	Ļ	Electrical Connection	BL8112-8-4P-SP-M136 Connector or Equiv.								
Pressure Sensing Principle Fully Active Four Arm Wheatstone Bridge Dielectrically Isolated Silicon on Silicon Patented Leadless Technology Mounting Torque 80 Inch-Pounds (Max.) 9 Nm	SICA	-	17 Grams (Max.) Excluding Cable								
Mounting Torque 80 Inch-Pounds (Max.) 9 Nm	λH	Pressure Sensing Principle									
	4	Mounting Torque	80 Inch-Pounds (Max.) 9 Nm								

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