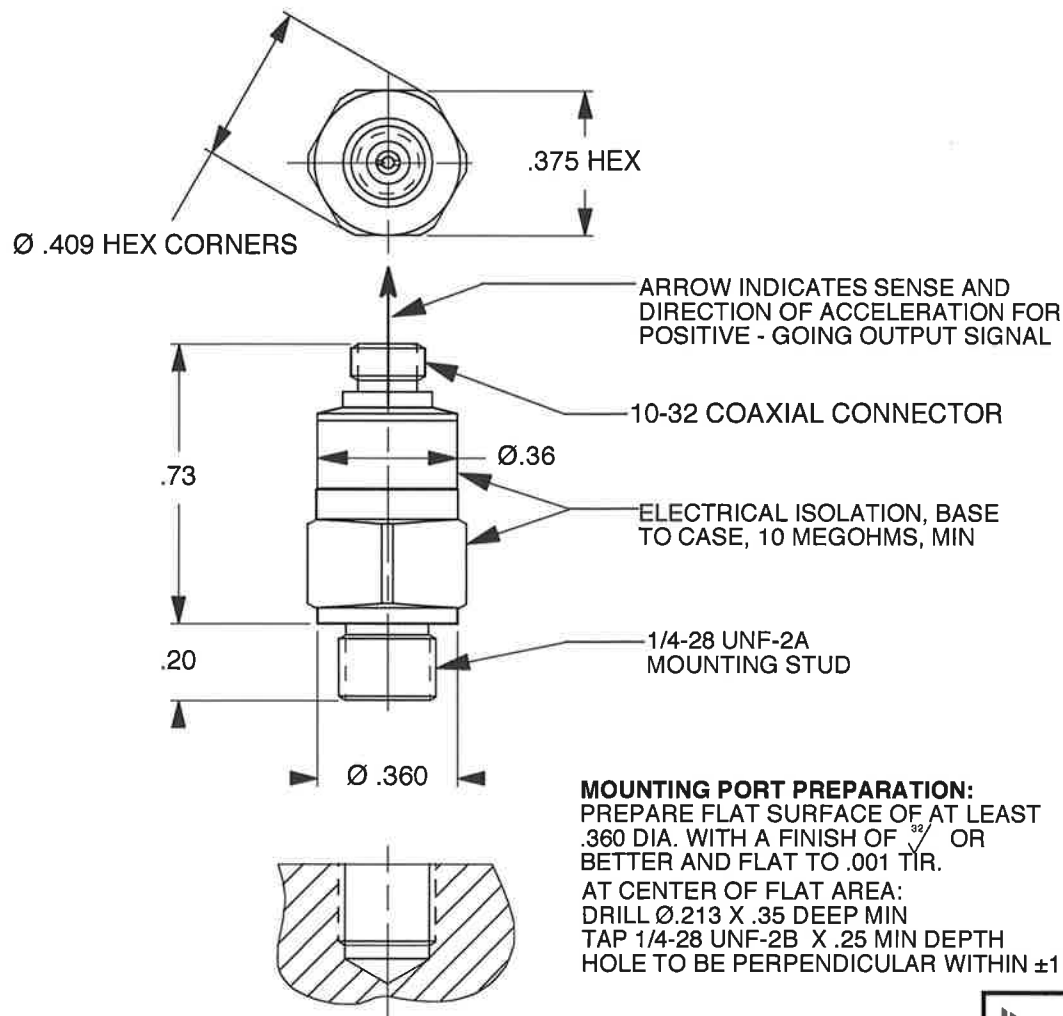


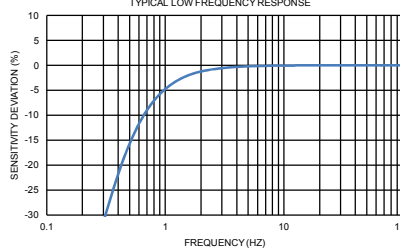
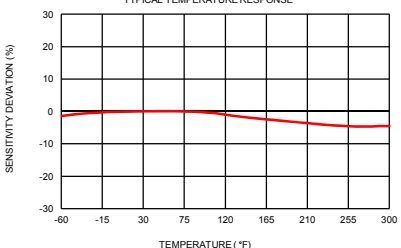
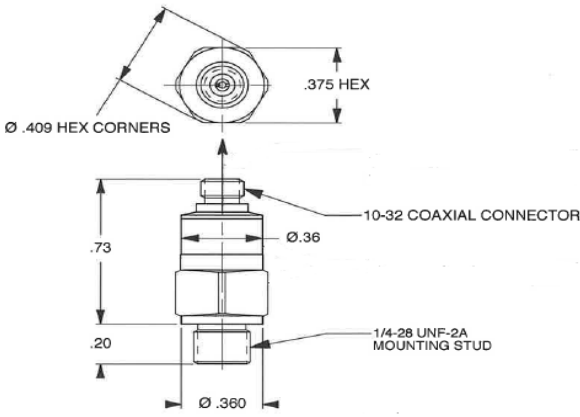
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REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	10476	REMOVED WELD GROOVES	NC/11-5-13	EM	W



3. MATERIAL: 300 SERIES STAINLESS STEEL.
2. WEIGHT: 8 GRAMS.
1. RECOMMENDED MOUNTING TORQUE ON 3/8 IN. HEX: 20 TO 25 LB.-INCHES.

		MASTER ONLY IF IN RED		CHATSWORTH, CA.	
SCALE	DESIGN	DATE			
2X	N.C.	6/2/98			
DRAWN	DATE	PART NO.	MODEL 3019A		
N.C.	6/2/98				
CHECKED	DATE	MAT'L			
R.A.	6/2/98				
APPROVED	DATE	NEXT ASSEMBLY	USED ON	3019A	
W	6/2/98				
TITLE			DWG NO.		
OUTLINE/INSTALLATION DRAWING, HIGH FREQUENCY ACCELEROMETER MODEL 3019A			127-3019A		
SHEET 1 OF 1					

Model Number 3019A		PERFORMANCE SPECIFICATION				DOC NO PS3019A																										
		MINIATURE IEPE ACCELEROMETER				REV A, ECN 10588, 12/04/13																										
		• MINIATURE SIZE • EXCELLENT LINEARITY • HERMETICALLY SEALED																														
PHYSICAL Weight Size Connector Mounting Provision Material Element Style		ENGLISH		SI		<table><tr><th>Model</th><th>Sensitivity (mV/g)</th><th>Frequency Response (Hz)</th><th>Time Constant (Sec)</th><th>Operating Temp (°F)</th></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table>		Model	Sensitivity (mV/g)	Frequency Response (Hz)	Time Constant (Sec)	Operating Temp (°F)																				
		Model	Sensitivity (mV/g)	Frequency Response (Hz)	Time Constant (Sec)			Operating Temp (°F)																								
Hex x Height Top Mounted Integral Stud Accelerometer and Connector		0.3 0.375 x 0.73 10-32 Micro Coax 1/4-28 X .20 Long 300 SS Quartz	oz Inches	8 9.5 x 18.5 10-32 Micro Coax 1/4-28 X .20 Long 300 SS Quartz	grams mm																											
PERFORMANCE Sensitivity, ±5% [1] Range F.S for ± 5 Volts Output Frequency Response, ±5% Frequency Response, ±3db Resonant Frequency Equivalent Electrical Noise Floor Linearity [2] Maximum Transverse Sensitivity Strain Sensitivity @ 250µε		10 ±500 1 to 10000 .3 to 15000 >50 0.007 ± 2% 5 0.003	mV/g g Hz Hz kHz grms % F.S. % g/µε	1 ±4905 1 to 10000 .3 to 15000 >50 0.0687 ± 2% 5 0.03	mV/m/s ² m/s ² Hz Hz kHz m/s ² rms % F.S. % m/s ² /µε																											
		ENVIRONMENTAL Maximum Vibration Maximum Shock Temperature Range Seal, Hermetic		±1000 ±3000 -60 to +300 Welded/Glass To Metal	gpeak gpeak °F	±9810 ±29430 -51 to +149 Welded/Glass To Metal	m/s ² peak m/s ² peak °C																									
		ELECTRICAL Supply Current Range [3] Compliance Voltage Range Output Impedance, Typ Bias Voltage Discharge Time Constant Electrical Isolation, Min. Output Signal Polarity for Acceleration Toward Top		2 to 20 + 18 to +30 100 +7.5 to +9.5 0.5 to 1.0 10 Positive	mA Volts Ω VDC Sec MΩ	2 to 20 + 18 to +30 100 +7.5 to +9.5 0.5 to 1.0 10 Positive	mA Volts Ω VDC Sec MΩ																									
		Supplied Accessories: 1) Accredited calibration certificate (ISO 17025)																														
		Notes: [1] Measure at 100Hz, 1 grms per ISA RP 37.2 [2] Measure using zero-based straight line method, % of F.S. or any lesser range. [3] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier.																														
																																
																																
		Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3019A for more information.																														
		21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax:818.700.7880 www.dytran.com For permission to reprint this content, please contact info@dytran.com																														