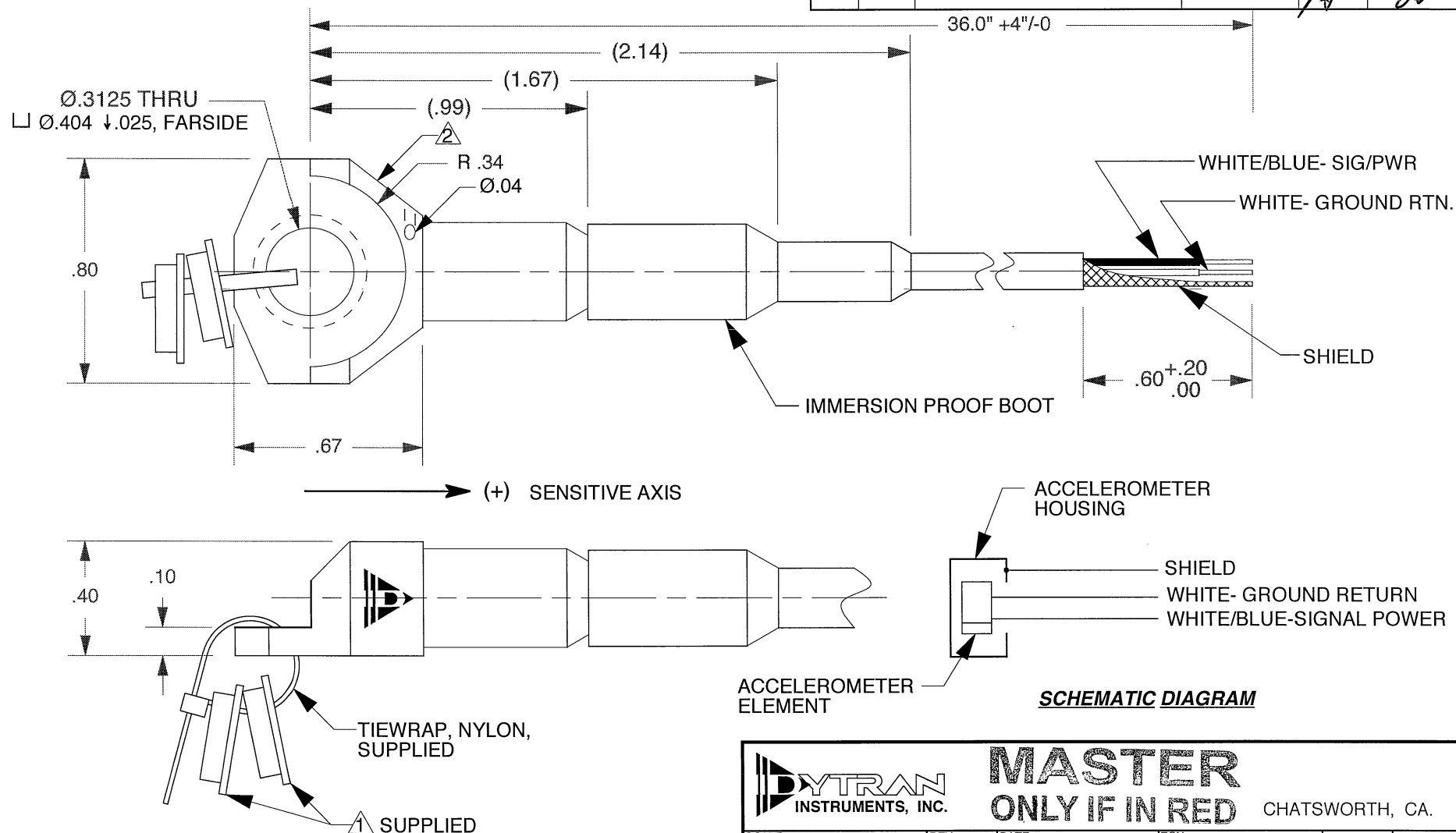


REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
C	5321	ADDED Ø.3125 THRU.....	RLA 6/27/08	CS	CES
D	8885	SEE ECN	AB 07/17/12	<i>JA</i>	<i>BA</i>




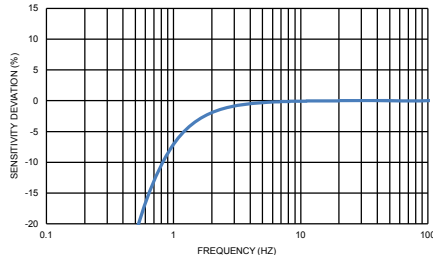
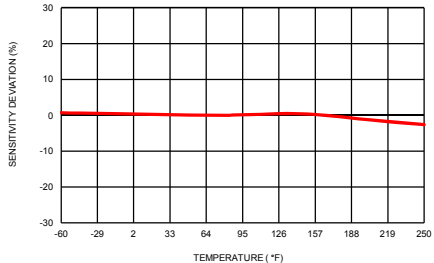
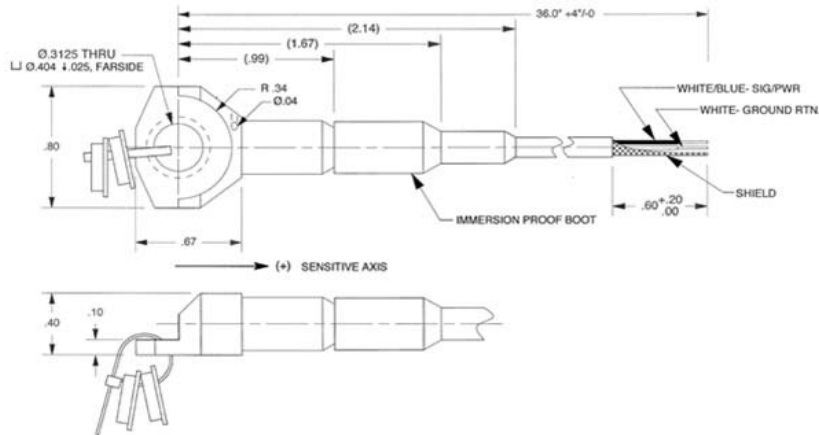
▲ MARKING: DYTRAN  
3077A  
S/N XXX

▲ ADAPTER BUSHINGS SUPPLIED:  
6555A (Ø.250, THRU HOLE)  
6555A1 (Ø.188, THRU HOLE)

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN INCHES.  
DIMENSIONS IN BRACKETS [ ] ARE IN  
MILLIMETERS.  
TOLERANCES ARE:

INCHES	METRIC	ANGLES
.XX ±.015	.X ±0.8	±1/2°
.XXX ±.005	.XX ±0.25	

<b>DYTRAN</b> INSTRUMENTS, INC.		<b>MASTER</b> <b>ONLY IF IN RED</b>		CHATSORTH, CA.	
SCALE	2X	REV	-	DATE	SEE REV BLK
DATE	6/10/99	PART NO.	-	ECN	-
DRAWN	N.C.	CHECKED	R.A.	MAT'L	-
APPROVED	N.C.	5/14/03	NEXT ASSEMBLY	USED ON	3077A
TITLE					DWG NO.
OUTLINE INSTALLATION DRAWING, MODEL 3077A, 3077A1					127-3077A
SHEET					1 OF 1

Model Number 3077A		PERFORMANCE SPECIFICATION				DOC NO PS3077A	
		IEPE QUARTZ SHEAR ACCELEROMETER				REV C , ECN 14311, 06/26/18	
		<ul style="list-style-type: none"><li>• EXCELLENT LINEARITY</li><li>• ELECTRICALLY ISOLATED</li><li>• HERMETICALLY SEALED</li><li>• IMMERSION PROOF BOOT</li></ul>					
		ENGLISH		SI			
<b>PHYSICAL</b> Weight, Less Cable, Max Integral Cable [1]  Mounting Provision, Integral Bracket Material, Accelerometer Sensing Material		0.39 oz		11 grams			
		Flying Leads		Flying Leads			
		36 Inches		914 mm			
		Ø .31 Thru Hole Inches		Ø 7.9 Thru Hole mm			
		300 Series S.S		300 Series S.S			
		Quartz		Quartz			
<b>PERFORMANCE</b> Sensitivity, ± 5% [2] Range F.S for ± 5 Volts Output Frequency Range, ± 10% Resonant Frequency Equivalent Electrical Noise Floor [6] Transverse Sensitivity, Max Linearity [3] Strain Sensitivity @ 250µσ		10 mV/g		1 mV/m/s <sup>2</sup>			
		±500 g		±4905 m/s <sup>2</sup>			
		1.1 to 5000 Hz		1.1 to 5000 Hz			
		> 26 kHz		> 26 kHz			
		0.007 Grms		0.07 m/s <sup>2</sup> rms			
		5 %		5 %			
		± 1% % F.S.		± 1% % F.S.			
		0.012 G's/µσ		0.012 G's/µσ			
<b>ENVIRONMENTAL</b> Maximum Vibration Maximum Shock Temperature Range Coefficient of Thermal Sensitivity Seal, Hermetic		±600 Gpeak		±5886 m/s <sup>2</sup> peak			
		±3000 Gpeak		±29430 m/s <sup>2</sup> peak			
		-60 to+250 °F		-51 to +121 °C			
		0.03 %/°F		0.05 %/°C			
		Welded/GTM Header		Welded/GTM Header			
<b>ELECTRICAL</b> Supply Current Range [4] Compliance Voltage Range Output Impedence,Typ Bias Voltage Discharge Time Constant Electrical Isolation, Case Ground To Mounting Surface		2 to 20 mA		2 to 20 mA			
		+ 18 to +30 Volts		+ 18 to +30 Volts			
		100 Ω		100 Ω			
		+7 to +9 VDC		+7 to +9 VDC			
		0.3 to 2.0 Sec		0.3 to 2.0 Sec			
		10 GΩ,min		10 GΩ,min			
<b>This family also includes:</b>							
Model		Integral Cable Length (in)					
3077A1		120					
Refer to the performance specifications of the products in this family for detailed description							
<b>Supplied Accessories:</b>							
1) Accredited calibration certificate (ISO 17025)							
2) Adaptor bushing (Ø .250 thru hole), model # 6555A, Qty. 1							
3) Adaptor bushing (Ø .188 thru hole), model # 6555A1, Qty. 1							
<b>Notes:</b>							
[1] Radially Mounted							
[2] Measured at 100Hz, 1 Grms per ISA RP 37.2							
[3] Measured using zero-based straight line method, % of F.S. or any lesser range.							
[4] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier.							
[5] In the interest of constant product improvement, we reserve the right to change specifications without notice.							
[6] Typical: Not to exceed 0.010 Grms [0.10 m/s <sup>2</sup> ]							
							
							
Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3077A for more information.							