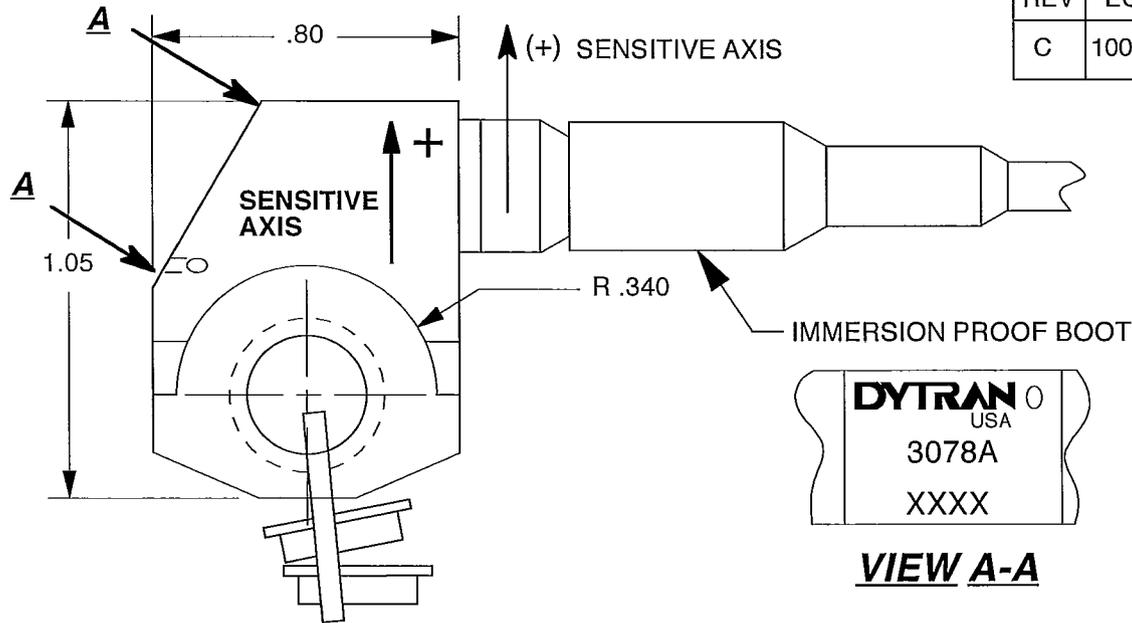
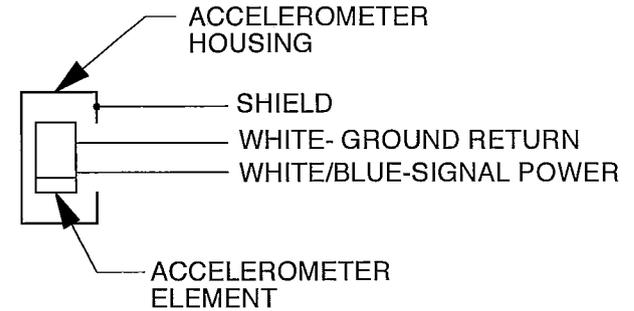


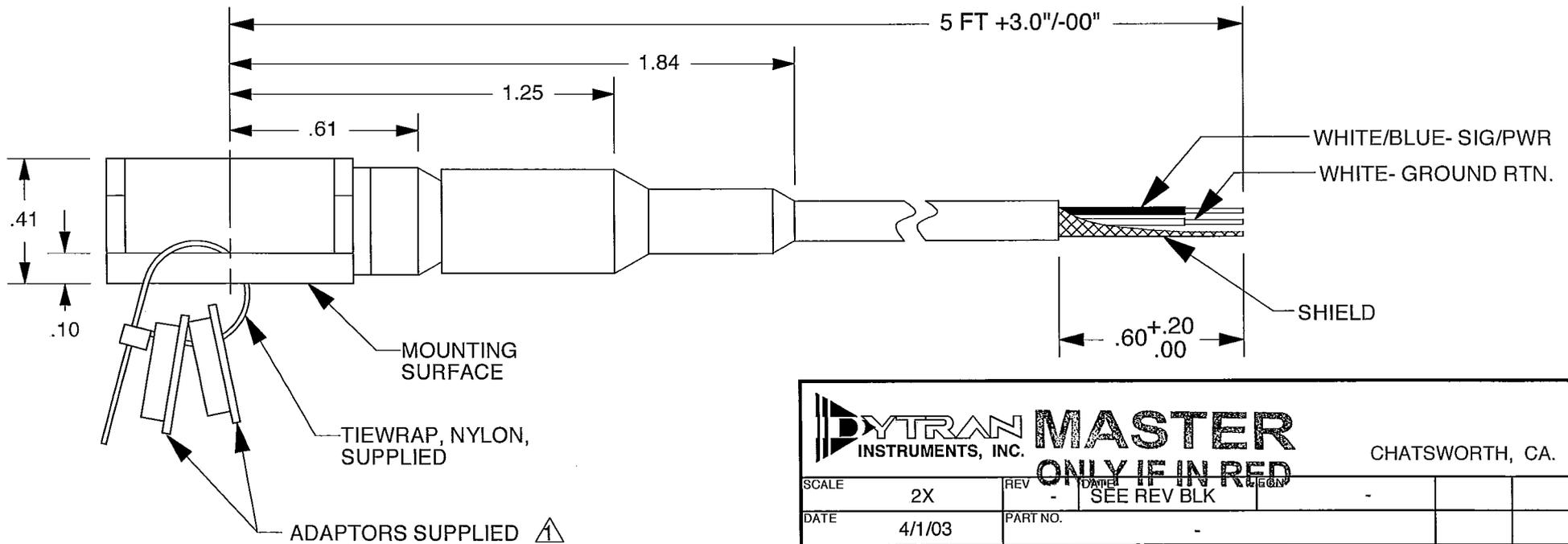
REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
C	10070	ADDED VIEW A-A, SENSITIVE AXIS	RLA 06/20/13	MH	



VIEW A-A



SCHMATIC DIAGRAM



△ ADAPTER BUSHINGS SUPPLIED: (1) 6555A (Ø.250, THRU HOLE)
 (1) 6555A1 (Ø.188, THRU HOLE)

		MASTER		CHATSORTH, CA.	
SCALE 2X		REV - SEE REV BLK			
DATE 4/1/03		PART NO. -			
DRAWN N.C.		CHECKED R.A.		MATERIAL -	
APPROVED PML 4/7/05		NEXT ASSEMBLY		USED ON 3078A	
TITLE OUTLINE INSTALLATION DRAWING, MODEL 3078A				DWG NO. 127-3078A	
				SHEET 1 OF 1	



- EXCELLENT LINEARITY
- ELECTRICALLY ISOLATED
- HERMETICALLY SEALED
- IMMERSION PROOF BOOT

ENGLISH	SI
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PHYSICAL

Weight, Max, less cable	0.7	oz	20	grams
Integral Cable, Radially Mounted Length	2-wire, Pigtail End		2-wire, Pigtail End	
Mounting Provision	5	ft	1524	mm
Material, Housing/Connector	∅.312 Thru hole with Bushings	in	∅7.93 Thru hole with Bushings	mm
Sensing Element	300 Series S.S		300 Series S.S	
Cable Jacket Material	Quartz		Quartz	
	Tefzel		Tefzel	

PERFORMANCE

Sensitivity, ±5% [1]	10	mV/g	1.0	mV/m/s ²
Range for ± 5 Volts Output	±500	g	±4905	m/s ²
Frequency Response, ± 10%	1.1 to 5000	Hz	1.1 to 5000	Hz
Resonant Frequency	> 26	kHz	> 26	kHz
Broad Band Resolution	0.0014	Grms	0.014	m/s ² rms
Linearity [2]	± 1	% F.S.	± 1	% F.S.
Maximum Transverse sensitivity	5	%	5	%
Strain Sensitivity @ 250µε	0.012	g/µε	0.12	m/s ² /µε

ENVIRONMENTAL

Maximum Vibration	±600	Gpeak	±5886	m/s ² peak
Maximum Shock	±3000	Gpeak	±29430	m/s ² peak
Temperature Range	-60 to +250	°F	-51 to +121	°C
Seal	Hermetic		Hermetic	

ELECTRICAL

Supply Current Range [3]	2 to 20	mA	2 to 20	mA
Compliance Voltage Range	+18 to +30	Volts	+18 to +30	Volts
Output Impedence, Typ	100	Ω	100	Ω
Bias Voltage	7 to 9	VDC	7 to 9	VDC
Discharge Time Constant	0.3 to 2.0	Sec	0.3 to 2.0	Sec
Electrical Isolation	10	GΩ,min	10	GΩ,min

This family also includes:

Model	Sensitivity (mV/g)	Frequency Response (Hz)	Time Constant (Sec)	Operating Temp (°F)

Refer to the performance specifications of the products in this family for detailed description

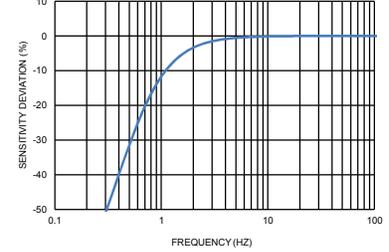
Supplied Accessories:

- 1) Accredited calibration certificate (ISO 17025)
- 2) Adaptor bushing (∅ .250 thru hole), model # 6555A, Qty. 1
- 3) Adaptor bushing (∅ .188 thru hole), model # 6555A1, Qty. 1

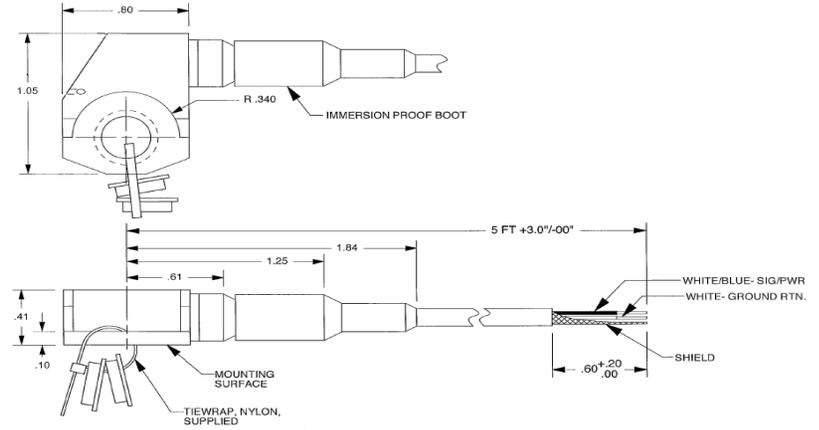
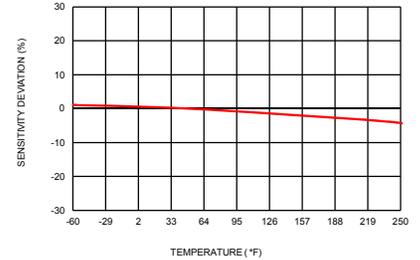
Notes:

- [1] Measured at 100Hz, 1 Grms per ISA RP 37.2.
- [2] Measured 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.

TYPICAL LOW FREQUENCY RESPONSE



TYPICAL TEMPERATURE RESPONSE



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3078A for more information.

