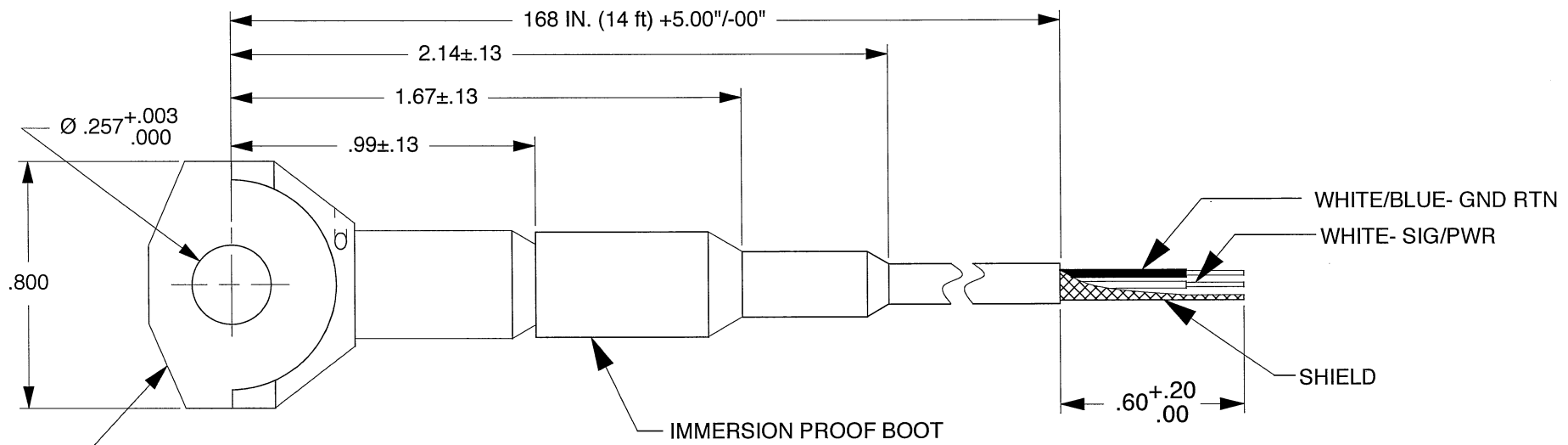


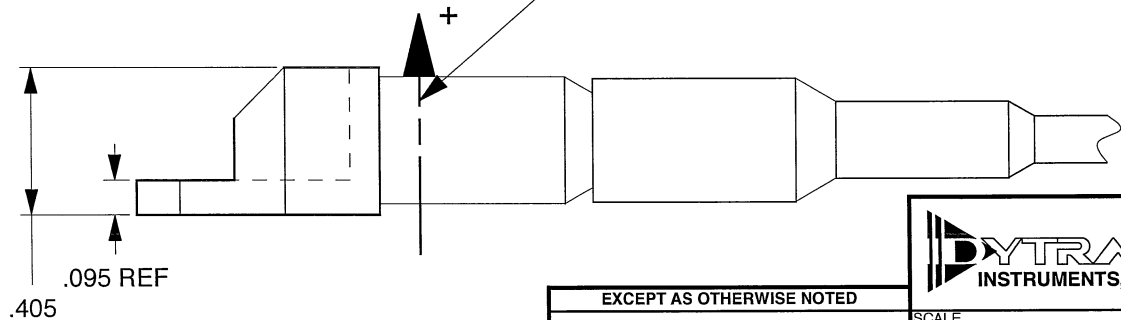
REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
E	7874	ADDED: ±.13 TOLERANCE WHITE/BLUE GND/RTN WAS: WHITE/ BLUE SIG/PWR WHITE SIG/PWR WAS: WHITE GND/RTN	RLA 09/22/11	JS	[Signature]



HOUSING MATERIAL: 316L STAINLESS STEEL

CABLE JACKET MAT'L: TEFZEL

ARROW INDICATES SENSE AND DIRECTION OF ACCELERATION FOR POSITIVE GOING OUTPUT VOLTAGE



DYTRAN
INSTRUMENTS, INC.

MASTER
ONLY IF IN RED

SHATSWORTH, CA.

SCALE 2X		REV -	DATE -	ECN SEE REV BLK
DATE 2/26/02		PART NO. MODEL 3079A		
DRAWN N.C.	CHECKED R.A.	MAT'L -		
APPROVED N.C.	5/14/03	NEXT ASSEMBLY	USED ON 3079A	
TITLE OUTLINE INSTALLATION DRAWING, MODEL 3079A				DWG NO. 127-3079A
				SHEET 1 OF 1

EXCEPT AS OTHERWISE NOTED

ALL DIMENSIONS IN INCHES
TOLERANCE: .XXX = ± .005 .XX = ± .010

SURFACE FINISH EXCEPT AS NOTED ✓

BREAK EDGES TO DEBURR RADIUS OR CHAMFER

THESE DIAS ⊙ TO - T.I.R.

FILLETS - MAX RAD.



**SPECIFICATIONS
MODEL 3079A LIVM ACCELEROMETER**

SPECIFICATION	VALUE	UNITS
PHYSICAL		
WEIGHT (Less cable)	11	Grams
SIZE, WIDTH x HEIGHT x LENGTH	.80 x 0.41 x 1.09	Inches
MOUNTING PROVISION, INTEGRAL BRACKET	Ø.257 thru hole with bushings	
INTEGRAL CABLE, RADially MOUNTED	2-wire, pigtailed end	
CABLE MATERIAL	TEFZEL	
CABLE LENGTH	14	Ft.
MATERIAL (BODY)	316L	Stainless Steel
PERFORMANCE		
SENSITIVITY, ± 5% [1]	10.0	mV/G
RANGE F.S. FOR ± 5 VOLTS OUTPUT	± 500	G's
FREQUENCY RANGE, ± 10%	1.1 to 5000	Hz
RESONANT FREQUENCY	>26	kHz
EQUIVALENT ELECTRICAL NOISE FLOOR	.0014	G's RMS
LINEARITY [2]	± 1%	% F.S.
TRANSVERSE SENSITIVITY, MAX.	5	%
STRAIN SENSITIVITY	.012	G's/μ ε @ 250 με
ENVIRONMENTAL		
MAXIMUM VIBRATION/SHOCK	600/3000	+/- G's/G's PEAK
TEMPERATURE RANGE	-60 to +250	°F
SEAL, HERMETIC	welded/gtm header	
COEFFICIENT OF THERMAL SENSITIVITY	.03	%/°F
ELECTRICAL		
SUPPLY CURRENT/COMPLIANCE VOLTAGE RANGE [3]	2 to 20/+18 to +30	mA/Volts
OUTPUT IMPEDANCE, TYP.	100	Ohms
BIAS VOLTAGE	+7 to +9	VDC
DISCHARGE TIME CONSTANT	0.3 to 0.8	Sec
OUTPUT SIGNAL POLARITY FOR ACCELERATION TRANSVERSE TO CABLE AXIS		Positive
ELECTRICAL ISOLATION, CASE GROUND TO MOUNTING SURFACE		10 GΩ, min.

[1] Measured at 100 Hz, 1 G RMS per ISA RP 37.2.

[2] Measured using zero-based best straight-line method, % of F.S. or any lesser range.

[3] Do not apply power to this device without current limiting, 20 mA MAX. To do so will destroy the integral IC amplifier.