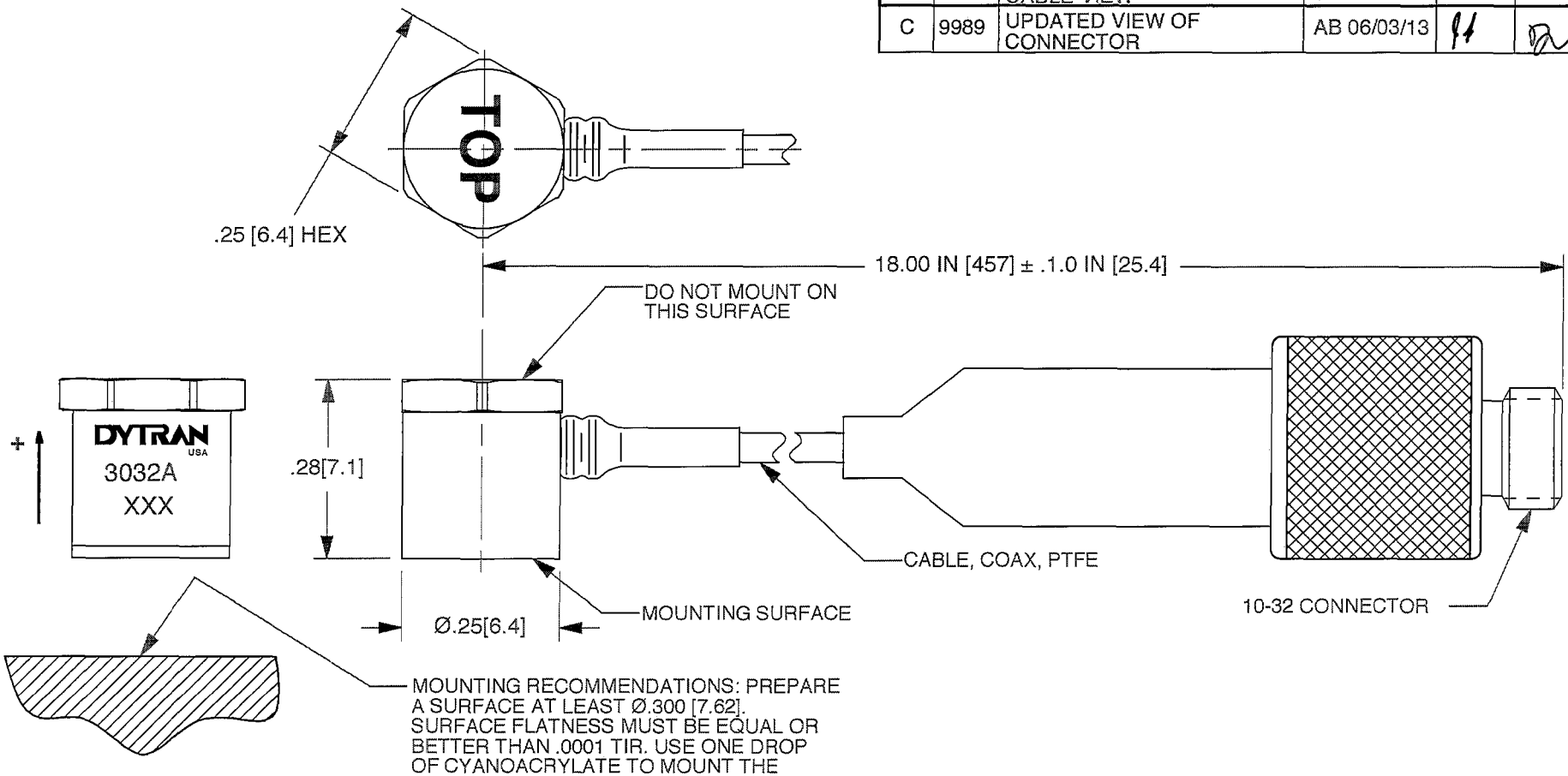
REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
B	7725	UPDATED MARKING, CABLE VIEW	RLA 08/03/11	DV	ANS
C	9989	UPDATED VIEW OF CONNECTOR	AB 06/03/13		



3. HOUSING MATERIAL: TITANIUM

2. WEIGHT (LESS CABLE): 1.5 GRAMS

1. TO REMOVE, (UN-INSTALL) TORQUE GENTLY ON HEX UNTIL ADHESIVE JOINT FAILS IN SHEAR. DO NOT STRIKE TO REMOVE.

NOTES: UNLESS OTHERWISE SPECIFIED

USED ON	NEXT ASSY
APPLICATION	

THIRD ANGLE PROJECTION
USA

UNLESS OTHERWISE SPECIFIED: INTERPRET DIM & TOL PER ASME Y14.5M-1994.REMOVE BURRS COUNTERSINKS INTERNAL THDS 90° TO MAJOR DIA CHAM EXT THDS 45° TO MAJOR DIA.THD LENGTHS AND DEPTHS ARE FOR THDS PER MIL-S-7742.
DIMENSIONS APPLY AFTER FINISHING.

ALL MACHINED SURFACES 63 TOTAL RUNOUT WITHIN .005 BREAK SHARP EDGES .005 TO .010 MACHINE FILLET RADI .005 TO .015. WELDING SYMBOLS PER AWS A2.4 ABBREVIATIONS PER MIL-STD-12

CONTRACT NO

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

INCHES	METRIC	ANGLES
.XX ±.03	.X ± 0.8	± 1°
.XXX ±.010	.XX ± 0.25	

FINISH

DO NOT SCALE DRAWING

DYTRAN INSTRUMENTS, INC.

MASTER
ONLY IF IN RED
CHATSWORTH, CA.

SCALE	DESIGN	DATE				
4X	NC	10/23/98				
DRAWN NC	DATE 10/23/98	PART NO. -				
CHECKED R.A.	DATE 10/23/98	MAT'L -				REV C
APPROVED N.C.	DATE 10/23/98	NEXT ASSEMBLY -	USED ON -			

TITLE
OUTLINE/INSTALLATION DRAWING, MODEL 3032A

DWG NO. **127-3032A**

SHEET 1 OF 1

Model Number	PERFORMANCE SPECIFICATION	DOC NO
3032A		PS3032A
	IEPE ACCELEROMETER	REV A, ECN 11919, 04/21/15

- **MINIATURE SIZE**
- **FULL LASER WELDED BODY**
- **EPOXY SEALED CABLE CONNECTION**

PHYSICAL					
Weight, including cable		0.2	oz	6	grams
Size, accelerometer	Hex x Height	.25 x .28	Inches	6.35 x 7.11	mm
Mounting Provision [4]		Adhesive Mount		Adhesive Mount	
Connector		10-32, UNF-2A		10-32, UNF-2A	
Housing	Material	Ti 6Al-4V		Ti 6Al-4V	
Sensing	Material	Quartz		Quartz	
	Mode	Shear		Shear	
PERFORMANCE					
Sensitivity, ±10% [1]		10	mV/g	1.0	mV/m/s^2
Range F.S for ± 5 Volts Output		±500	g	±4905	m/s^2
Frequency Response, ± 10%		1 to 10000	Hz	1 to 10000	Hz
Frequency Response, ± 3dB		.45 to 12000	Hz	.45 to 12000	Hz
Resonant Frequency, Nominal		> 80	kHz	> 80	kHz
Equivalent Electrical Noise (Resolution)		0.007	grms	0.07	m/s^2 rms
Linearity [2]		± 2	% F.S.	± 2	% F.S.
Maximum Transverse Sensitivity		5	%	5	%
Strain Sensitivity @ 250 με		0.001	g/με	0.01	m/s^2/με
ENVIRONMENTAL					
Maximum Vibration		±1000	g's,peak	±9810	m/s^2 peak
Maximum Shock		±1500	g's,peak	±14715	m/s^2 peak
Temperature Range (Accelerometer)		-60 to 250	°F	-51 to 121	°C
Seal		Epoxy/Weld		Epoxy/Weld	
Electrical					
Supply Current Range [3]		2 to 20	mA	2 to 20	mA
Compliance Voltage Range		+20 to +30	Volts	+20 to +30	Volts
Output Impedance, Typ.		100	Ω	100	Ω
Output Bias Voltage		+7 to +9	VDC	+7 to +9	VDC
Discharge Time Constant, Nom		0.4 to 1.2	Sec	0.4 to 1.2	Sec
Output Signal Polarity		Positive		Positive	

This family also includes:

Model	Sensitivity (mV/g)	Range (g's)	Time Constant (sec)	Noise, Resolution (grms)	Integral Cable Length (in)

Please, refer to the performance specifications of the products in this family for detailed description

Supplied Accessories:

1) Accredited calibration certificate (ISO 17025)

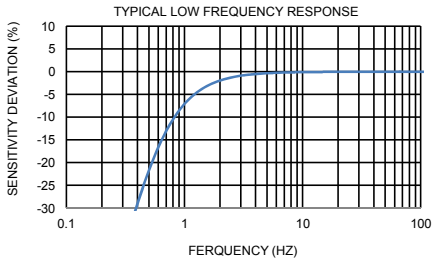
Notes:

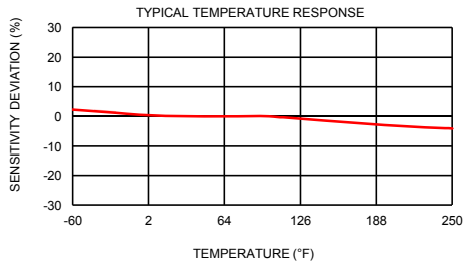
[1] Measure at 100Hz, 1 Grms per ISA RP 37.2

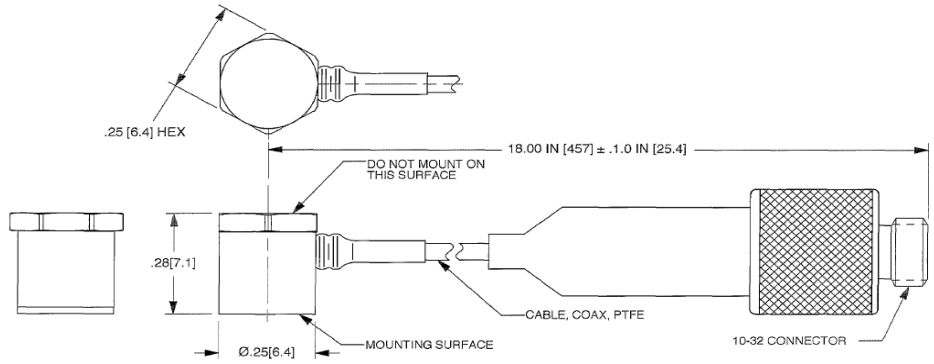
[2] Measure using zero-based straight line method, % of F.S. or any lesser range.

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

[4] Flat mounting surface for adhesive mount.







Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3032A for more information.

DYTRAN INSTRUMENTS, INC.

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