
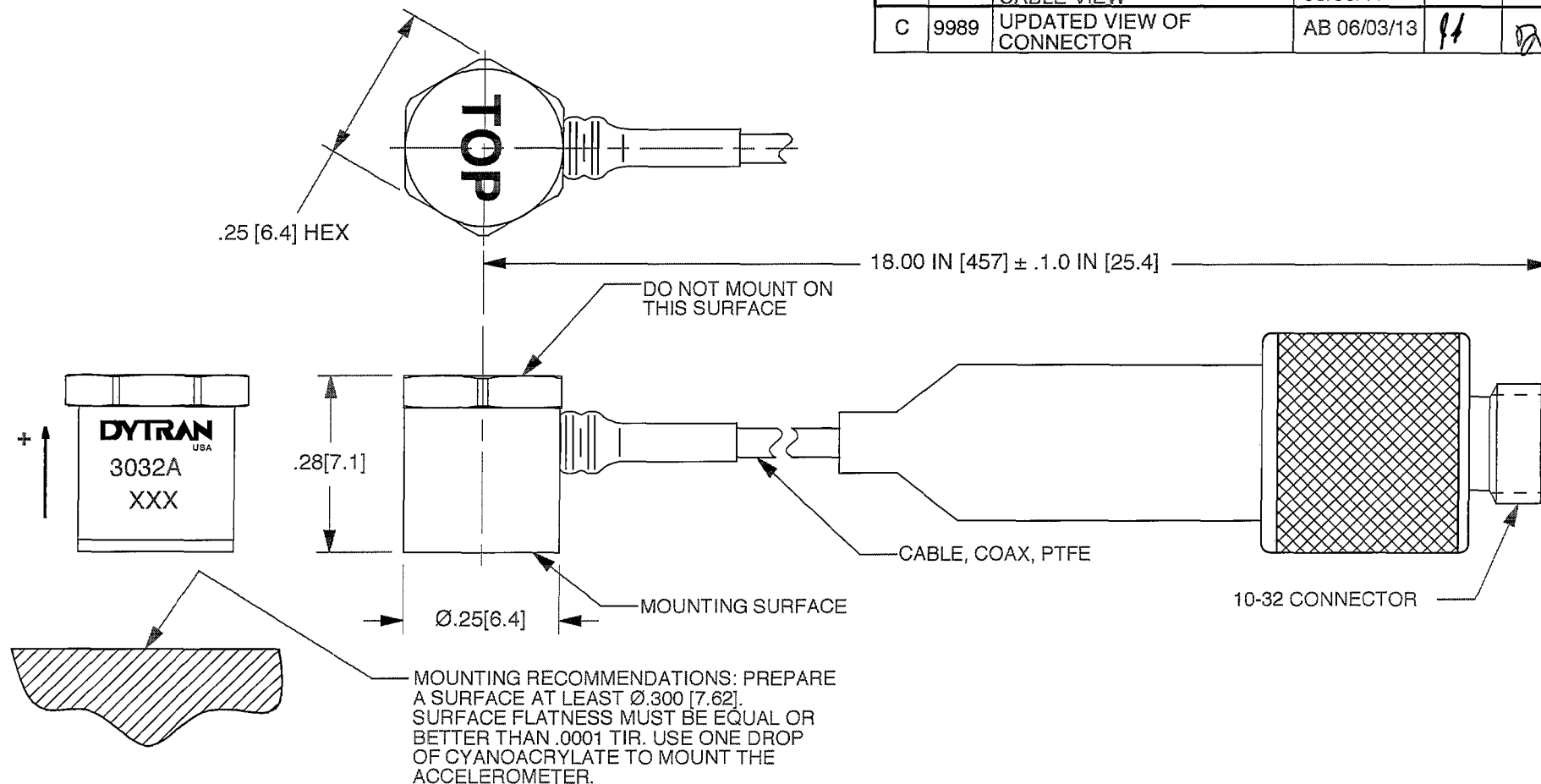


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REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
B	7725	UPDATED MARKING, CABLE VIEW	RLA 08/03/11	DV	ANS
C	9989	UPDATED VIEW OF CONNECTOR	AB 06/03/13	ff	




3. HOUSING MATERIAL: TITANIUM


2. WEIGHT (LESS CABLE): 1.5 GRAMS


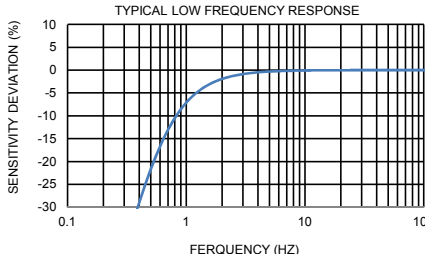
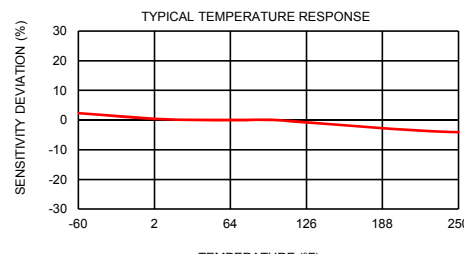
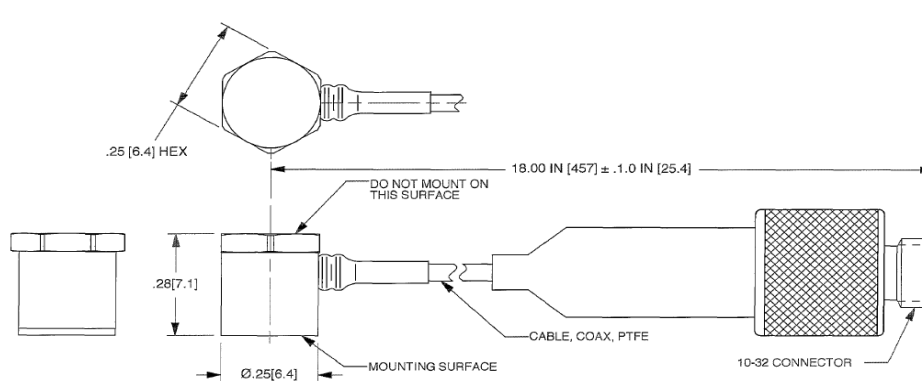
1. TO REMOVE, (UN-INSTALL) TORQUE GENTLY ON HEX UNTIL
ADHESIVE JOINT FAILS IN SHEAR. DO NOT STRIKE TO REMOVE.


NOTES: UNLESS OTHERWISE SPECIFIED

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.	
USED ON	NEXT ASSY
APPLICATION	
THIRD ANGLE PROJECTION USA	
	
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		

			MASTER ONLY IF IN RED			CHATSWORTH, CA.		
SCALE 4X	DESIGN NC	DATE 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						DWG NO.		
OUTLINE/INSTALLATION DRAWING, MODEL 3032A						127-3032A		
						SHEET 1 OF 1		

Model Number 3032A		PERFORMANCE SPECIFICATION				DOC NO PS3032A	
		IEPE ACCELEROMETER				REV B, ECN 14420, 09/06/18	
		<ul style="list-style-type: none">• 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) [5]		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.							
[5] Typical. Not to exceed .010 Grms [.10 m/s ²].							
							
							
							
Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3032A for more information.							



21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax:818.700.7880 www.dytran.com
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