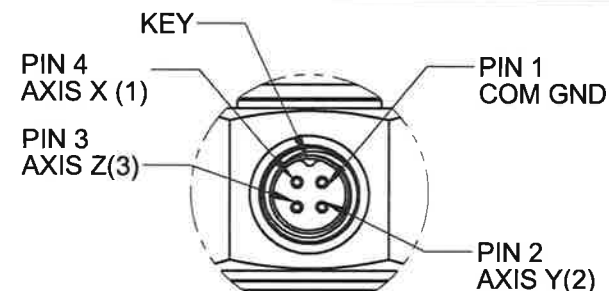
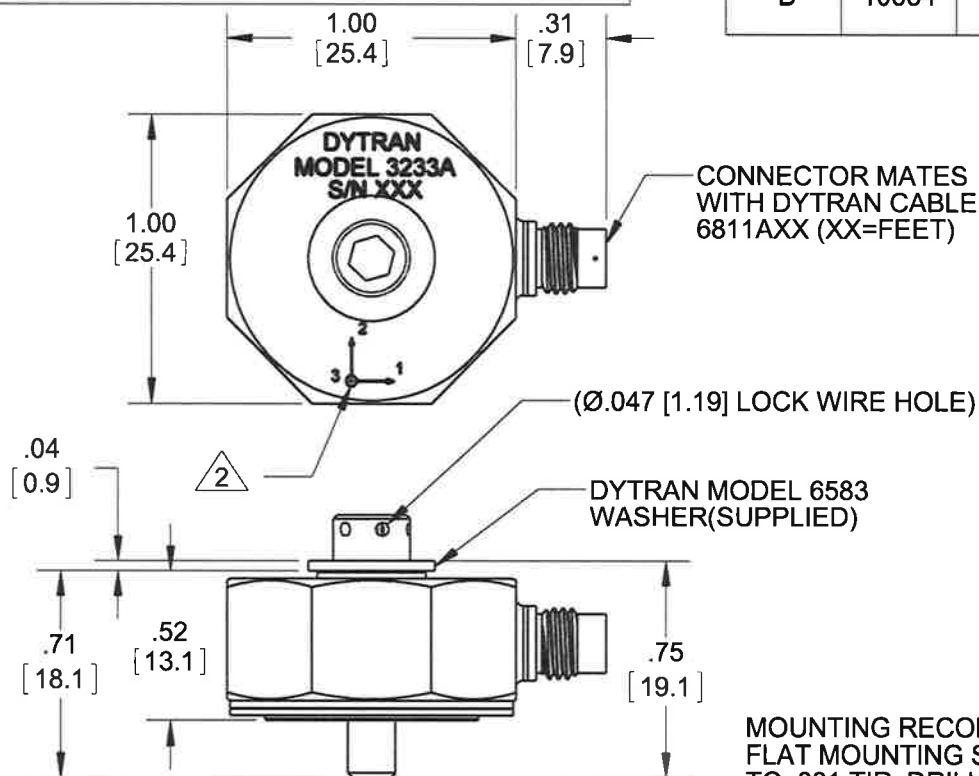


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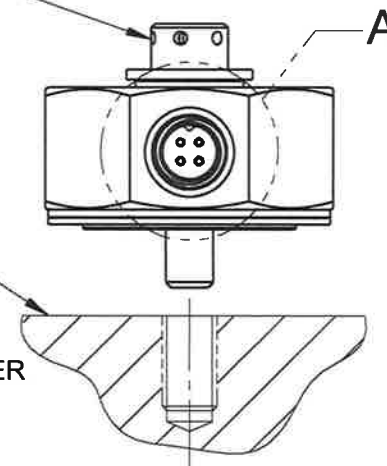
REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
B	10584	SEE ECN	RA 11/26/13	MH	W



DETAIL A
SCALE 2:1

DYTRAN MODEL 6582
8-32 MTG SCREW
(SUPPLIED)



MOUNTING RECOMMENDATIONS: PREPARE FLAT MOUNTING SURFACE $\phi .80$ [20.3], FLAT TO .001 TIR. DRILL AND TAP 8-32 UNF-3B $\downarrow .300$ [7.62] MIN. RECOMMENDED MOUNTING TORQUE: 15 LB IN $\pm 5/-0$ LB IN. FOR BEST FREQUENCY RESPONSE ACCELEROMETER MUST CONTACT MOUNTING SURFACE OVER ENTIRE MOUNTING SURFACE OF ACCELEROMETER

3. WEIGHT: 30 GRAMS MAX

2 ARROWS INDICATE DIRECTION OF ACCELERATION FOR POSITIVE OUTPUT.

1. MATERIAL: TITANIUM ALLOY

NOTES: UNLESS OTHERWISE SPECIFIED

UNLESS OTHERWISE SPECIFIED: INTERPRET DIM & TOL PER ASME Y14.5M - 1994. REMOVE BURRS. COUNTERSINK INTERNAL THDS 90° TO MAJOR DIA. CHAM EXT THDS 45° TO MINOR DIA. THD LENGTHS AND DEPTHS ARE FOR MIN FULL THDS. THDS PER MIL-S-7742. DIMENSIONS APPLY AFTER FINISHING.	
USED ON	NEXT ASSY
APPLICATION	
THIRD ANGLE PROJECTION	
ALL MACHINED SURFACES. TOTAL RUNOUT WITHIN .005. BREAK SHARP EDGES .005 TO .010. MACHINED FILLET RADII .005 TO .015. WELDING SYMBOLS PER AWS A2.4. ABBREVIATIONS PER MIL-STD-12.	

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS TOLERANCES ARE:		
INCHES	METRIC	ANGLES
XX $\pm .03$	X ± 0.8	$\pm 1^\circ$
XXX $\pm .010$	.XX ± 0.25	
MATERIAL		
FINISH		
DO NOT SCALE DRAWING		

CONTRACT NO.



TITLE:

**OUTLINE/INSTALLATION
DRAWING MODEL 3233A**

APPROVALS		DATE
ORIG	PML	10/25/03
CHK	MH	11/27/13
APP	PML	06/22/04
APP		

SIZE	CAGE CODE	DWG. NO.	REV
A	2W033	127-3233A	B
SCALE: NONE		SOLIDWORKS	SHEET 1 OF 1

MODEL NUMBER 3233A		PERFORMANCE SPECIFICATION				DOC NO. PS3233A	
		ACCELEROMETER, TRIAXIAL, IEPE				REV E, ECN 13949, 01/03/18	
		• HERMETICALLY SEALED • BASE ISOLATED • 8-32 MOUNTING PROVISION					
PHYSICAL		ENGLISH		SI			
Weight, Max	1.05	oz	30	grams			
Mounting	8-32 Screw		8-32 Screw				
Connector Type [1]	4-Pin		4-Pin				
Material, Case/ Connector	Titanium Alloy		Titanium Alloy				
PERFORMANCE							
Sensitivity, (±10%) [2]	1000	mV/g	102	mV/ m/s ²			
Range, Full Scale (Each Axis)	5	± g pk	49.1	± m/s ² pk			
Frequency Range, All Axes (±5%)	0.5 to 3000	Hz	0.5 to 3000	Hz			
Frequency Range Axis 1 & 2, (±10%)	0.3 to 4000	Hz	0.3 to 4000	Hz			
Frequency Range Axis 3, (±10%)	0.3 to 6000	Hz	0.3 to 6000	Hz			
Element Natural Frequency	>20	kHz	>20	kHz			
Equivalent Electrical Noise	0.00005	g rms	0.00049	m/s ² rms			
Spectral Noise	1Hz	12	μg rms / √(Hz)	118	μm/s ² rms / √(Hz)		
	10Hz	4	μg rms / √(Hz)	39	μm/s ² rms / √(Hz)		
	100Hz	1.2	μg rms / √(Hz)	12	μm/s ² rms / √(Hz)		
	1000Hz	0.5	μg rms / √(Hz)	5	μm/s ² rms / √(Hz)		
Linearity [3]	1	% F.S.	1	% F.S.			
Transverse Sensitivity, Max	5	%	5	%			
ENVIRONMENTAL							
Vibration Max	500	± g pk	4905	± m/s ² pk			
Shock Max	5000	± g pk	49050	± m/s ² pk			
Operating Temperature	-60 to +200	°F	-51 to +93	°C			
Seal	Hermetic		Hermetic				
ELECTRICAL							
Supply Current Range [4]	2 to 20	mA	2 to 20	mA			
Compliance Voltage Range (Each Axis)	+18 to +30	VDC	+18 to +30	VDC			
Output Impedance, Typ.	100	Ω	100	Ω			
Output Bias Voltage	+11 to +13	VDC	+11 to +13	VDC			
Discharge Time Constant	0.9 to 2.0	Sec	0.9 to 2.0	Sec			
Ground Isolation, Min. [5]	10	MΩ	10	MΩ			
		This family also includes:					
		Model	Sensitivity (mV/g)	Range (Gpeak)	Resolution (Grms)	Oper. Temp (°F)	TC
		</					



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