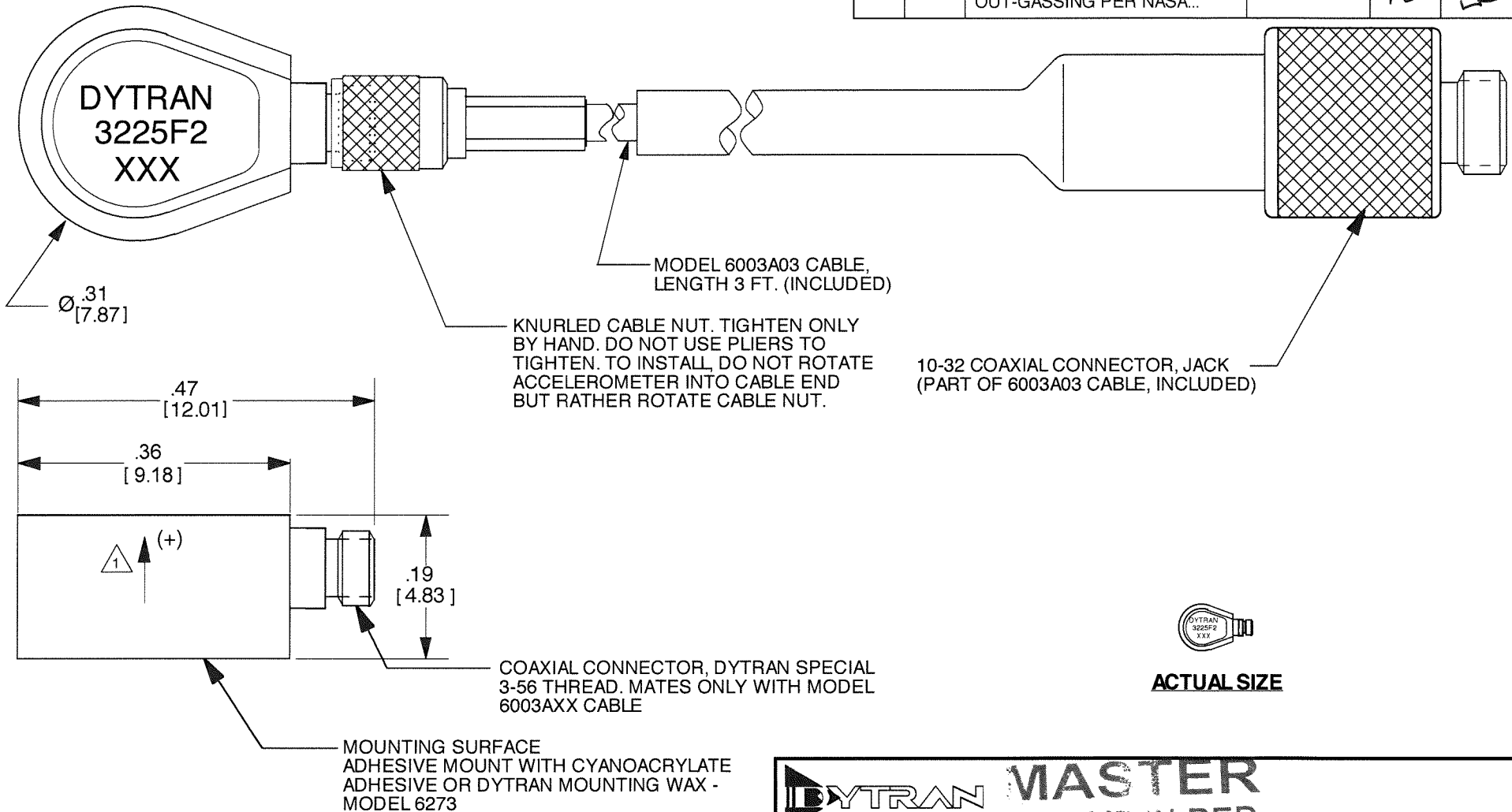


REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
B	9494	UPDATED VIEW OF CONNECTOR	AB 05/03/13	JS	AS
C	11386	ADDED HOUSING LENGTH	MH 10/28/14	LN	DV
D	15345	ADDED NOTE 4: CABLE IS LOW OUT-GASSING PER NASA...	DP 09/30/19	RS	LS



- CABLE IS LOW OUT-GASSING PER NASA SPECIFICATIONS OF TML (TOTAL MASS LOSS) LESS THAN 1%; AND CVCM (COLLECTED VOLATILE CONDENSABLE MASS) LESS THAN 0.1%.
- CASE MATERIAL: ANODIZED ALUMINUM.
- WEIGHT LESS CABLE: 1 GRAM.

1 ARROW INDICATES SENSE AND DIRECTION OF INPUT ACCELERATION FOR POSITIVE GOING OUTPUT SIGNAL

DYTRAN INSTRUMENTS, INC.		MASTER ONLY IF IN RED		CHATSWORTH, CA.	
SCALE	5X	REV	-	DATE	-
DATE	10/20/05	ECN	SEE REV BLOCK		
DRAWN	R.A.	CHECKED	-		
APPROVED	NEXT ASSEMBLY		USED ON		
TITLE				DWG NO.	
OUTLINE/INSTALLATION DRAWING, MODEL 3225F2				127-3225F2	
SHEET 1 OF 1					

MODEL NUMBER 3225F2	PERFORMANCE SPECIFICATION	DOC NO. PS3225F2
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ACCELEROMETER, IEPE

REV D, ECN 15345, 09/30/19



- **MINIATURE SIZE**
- **REMOVABLE CABLE WITH 10-32 CONNECTOR**
- **HERMETICALLY SEALED**
- **CASE ISOLATED**
- **LOW OUT-GASSING**

This family also includes:

Model	Sensitivity (mV/g)	Range (g's)	Resolution (Grms)	Oper. Temp(°F)	TC

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

Supplied Accessories

- 1) Model 6591A installation wrench
- 2) Model 6298 small petro mounting wax
- 3) Accredited calibration certificate (ISO 17025)

Notes:

- [1] Flat mounting surface for adhesive mount.
- [2] Mates with Dytran cable 6003A.
- [3] Measured at 100 Hz, 1 grms per ISA RP37.2.
- [4] Percent of full scale or any lesser range, zero based best-fit straight line method.
- [5] Do not apply power to this device without current limiting, 20mA max, to do so will destroy the integral IC amplifier
- [6] In the interest of constant product improvement, we reserve the right to change specifications without notice.
- [7] Typical. Not to exceed .010 Grms [1.0 m/s^2].
- [8] It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary overtime. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.

PHYSICAL

Weight, Max
Size (Dia. X Length Hex X Height)
Mounting Provision
Connector, Radially Mounted [2]
Case Material
Sensing Element Type

ENGLISH		SI	
0.04	oz	1.0	grams
0.31 x 0.48 x 0.19	in	7.9 x 12.2 x 4.8	mm
[1]		[1]	
3-56		3-56	
Aluminum, Anodized		Aluminum, Anodized	
Quartz, Planar Shear		Quartz, Planar Shear	

PERFORMANCE

Sensitivity, $\pm 10\%$ [3]
Range F.S For ± 5 Volts Out
Frequency Response, $\pm 5\%$
, $\pm 10\%$
Mounted Resonant Frequency
Amplitude Non-Linearity [4]
Transverse Sensitivity, Max.
Noise Resolution [7]
Strain Sensitivity @250/ $\mu\epsilon$

10	mV/g	1.0	mV/ m/s^2
± 500	g's	± 4905	m/s^2
2 to 5000	Hz	2 to 5000	Hz
2 to 10,000	Hz	2 to 10,000	Hz
> 60	kHz	> 60	kHz
± 1	% F.S	± 1	% F.S
5	%	5	%
0.007	grms	0.069	$\text{m/s}^2 \text{ rms}$
0.05	$\text{g}/\mu\epsilon$	0.49	$\text{m/s}^2/\mu\epsilon$

ENVIRONMENTAL

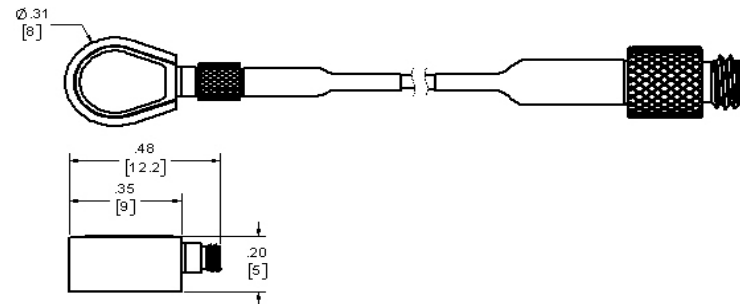
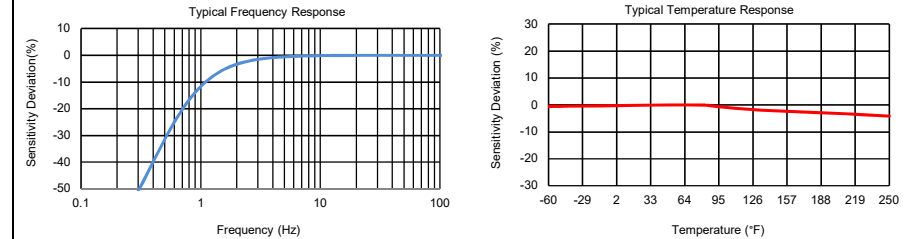
Maximum Vibration
Maximum Shock
Temperature Range
Environmental Seal

400	Grms	3924	$\text{m/s}^2 \text{ rms}$
5000	Gpeak	49050	$\text{m/s}^2 \text{ peak}$
-60 to +250	°F	-51 to +121	°C
Hermetic		Hermetic	

ELECTRICAL

Supply Current [5]
Compliance Voltage
Output Impedance, Typ.
Bias Voltage
Discharge Time Constant
Case Isolation, Min.

2 to 20	mA	2 to 20	mA
+18 to +30	Volts	+18 to +30	Volts
70	Ω	70	Ω
+7 to +11	VDC	+7 to +11	VDC
0.3 to 1.0	Sec	0.3 to 1.0	Sec
10	G Ω	10	G Ω



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3225F2 for more information.



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