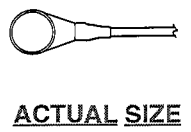
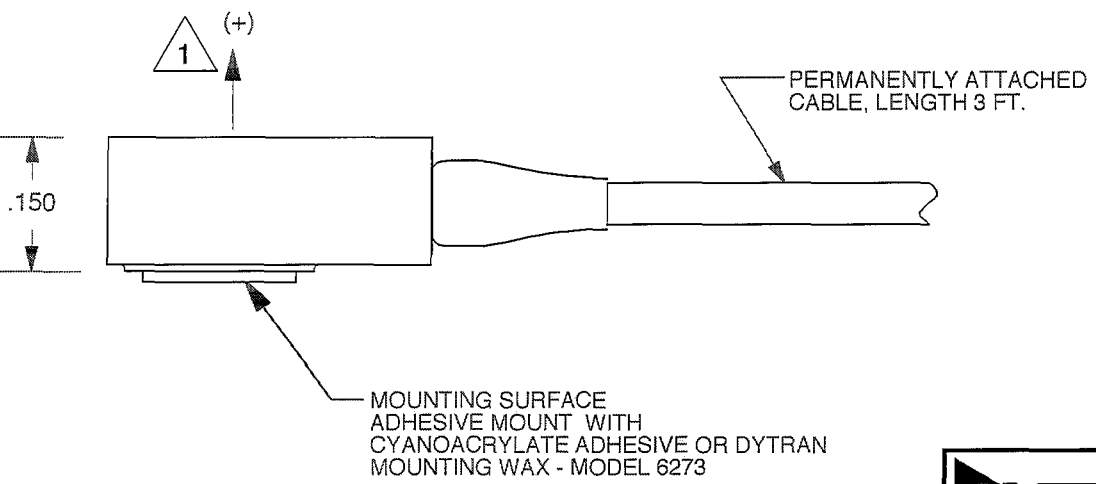
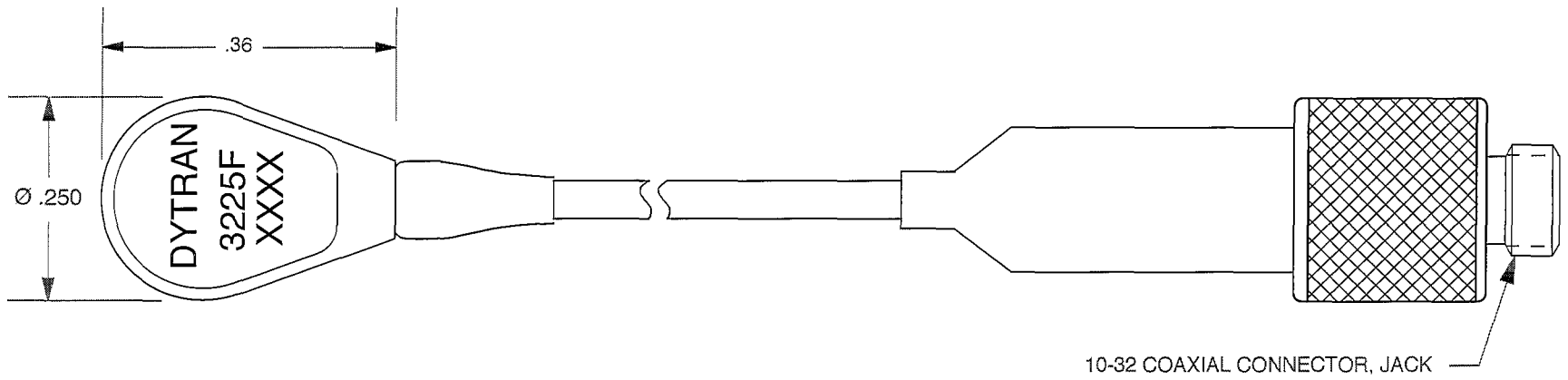


REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
C	6001	SEE ECN	RLA 7/08/09	EP	DV
D	9989	UPDATED VIEW OF CONNECTOR	AB 06/03/13	1/1	DV



3. CASE AND CONNECTOR MATERIAL: TITANIUM.
 2. WEIGHT LESS CABLE: 0.6 GRAMS.
- 1 ARROW INDICATES SENSE AND DIRECTION OF INPUT ACCELERATION FOR POSITIVE GOING OUTPUT SIGNAL.

EXCEPT AS OTHERWISE NOTED

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

SURFACE FINISH EXCEPT AS NOTED ✓

BREAK EDGES TO DEBURR RADIUS OR CHAMFER


THESE DIAS ⊙ TO T.I.R.

FILLETS - MAX RAD.

DYTRAN INSTRUMENTS, INC.		MASTER ONLY IF IN RED		CHATSWORTH, CA.	
SCALE	5X	REV	-	DATE	SEE REV BLK
DATE	10/2/01	PART NO.			
DRAWN	N.C.	CHECKED	K.S.	MAT'L	
APPROVED	PML	8/08/06	NEXT ASSEMBLY	USED ON	
TITLE				DWG NO.	
OUTLINE/INSTALLATION DRAWING, MODEL 3225F				127-3225F	
				SHEET 1 OF 1	

MODEL NUMBER 3225F	PERFORMANCE SPECIFICATION	DOC NO. PS3225F
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ACCELEROMETER, IEPE REV B, ECN 14312, 07/11/18



- MINIATURE SIZE
- 3-FOOT INTEGRAL CABLE

	ENGLISH		SI	
PHYSICAL				
Weight	0.02	oz	0.6	grams
Mounting Provision	[1]		[1]	
Connector, Coaxial	10-32 Jack		10-32 Jack	
Cable Length, Fixed	36	Inches	914	mm
Case Material	Titanium		Titanium	
Sensing Element	Quartz	Material	Quartz	
	Shear	Mode	Shear	
PERFORMANCE				
Sensitivity, ± 10% [2]	10	mV/g	1.0	mV/m/s ²
Range F.S For ± 5 Volts Out	± 500	g's	± 4905	m/s ²
Frequency Response, +/- 10%	1.6 to 10,000	Hz	1.6 to 10,000	Hz
Mounted Resonant Frequency	> 60	kHz	> 60	kHz
Amplitude Non-Linearity [3]	2	% F.S	2	% F.S
Transverse Sensitivity, Max	5	%	5	%
Noise Resolution [6]	0.007	grms	0.07	m/s ² rms
Strain Sensitivity @250µε	0.0005	g/µε	0.00	m/s ² /µε
ENVIRONMENTAL				
Maximum Vibration	400	Grms	3924	m/s ² rms
Maximum Shock	5000	Gpeak	49050	m/s ² peak
Temperature Range	-60 to +250	°F	-51 to +121	°C
Thermal Coefficient of Sensitivity	0.03	%/°F	0.054	%/°C
Environmental Seal	Epoxy		Epoxy	
ELECTRICAL				
Supply Current [4]	2 to 20	mA	2 to 20	mA
Compliance Voltage	+18 to +30	Volts	+18 to +30	Volts
Output Impedance, TYP	100	Ω	100	Ω
Bias Voltage	+7 to +10	VDC	+7 to +10	VDC
Discharge Time Constant	0.3 to 0.8	Sec	0.3 to 0.8	Sec

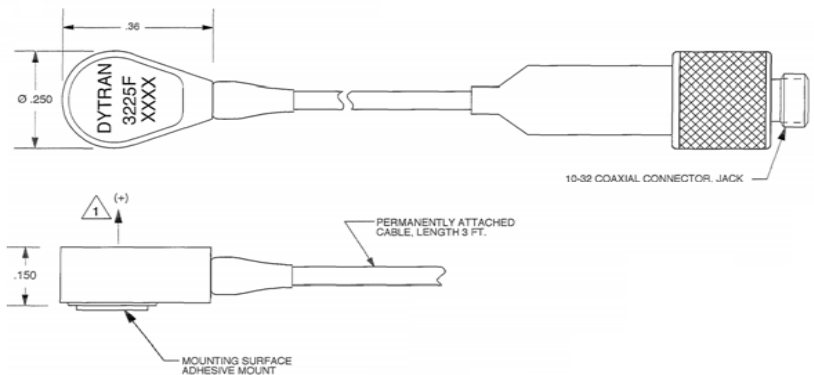
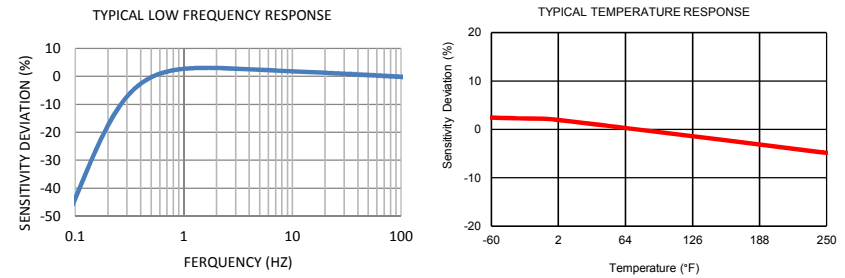
This family also includes:

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 and removal wrench
 - 2) Model 6298 small petro mounting wax
 - 3) Accredited calibration certificate (ISO 17025)

- Notes:**
- [1] Flat mounting surface for adhesive mount.
 - [2] Measured at 100 Hz, 1 grms per ISA RP37.2.
 - [3] Percent of full scale or any lesser range, zero based best-fit straight line method.
 - [4] Do not apply power to this device without current limiting, 20mA max, to do so will destroy the integral IC amplifier
 - [5] In the interest of constant product improvement, we reserve the right to change specifications without notice.
 - [6] Typical. Not to exceed .010 Grms [.10 m/s²].



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