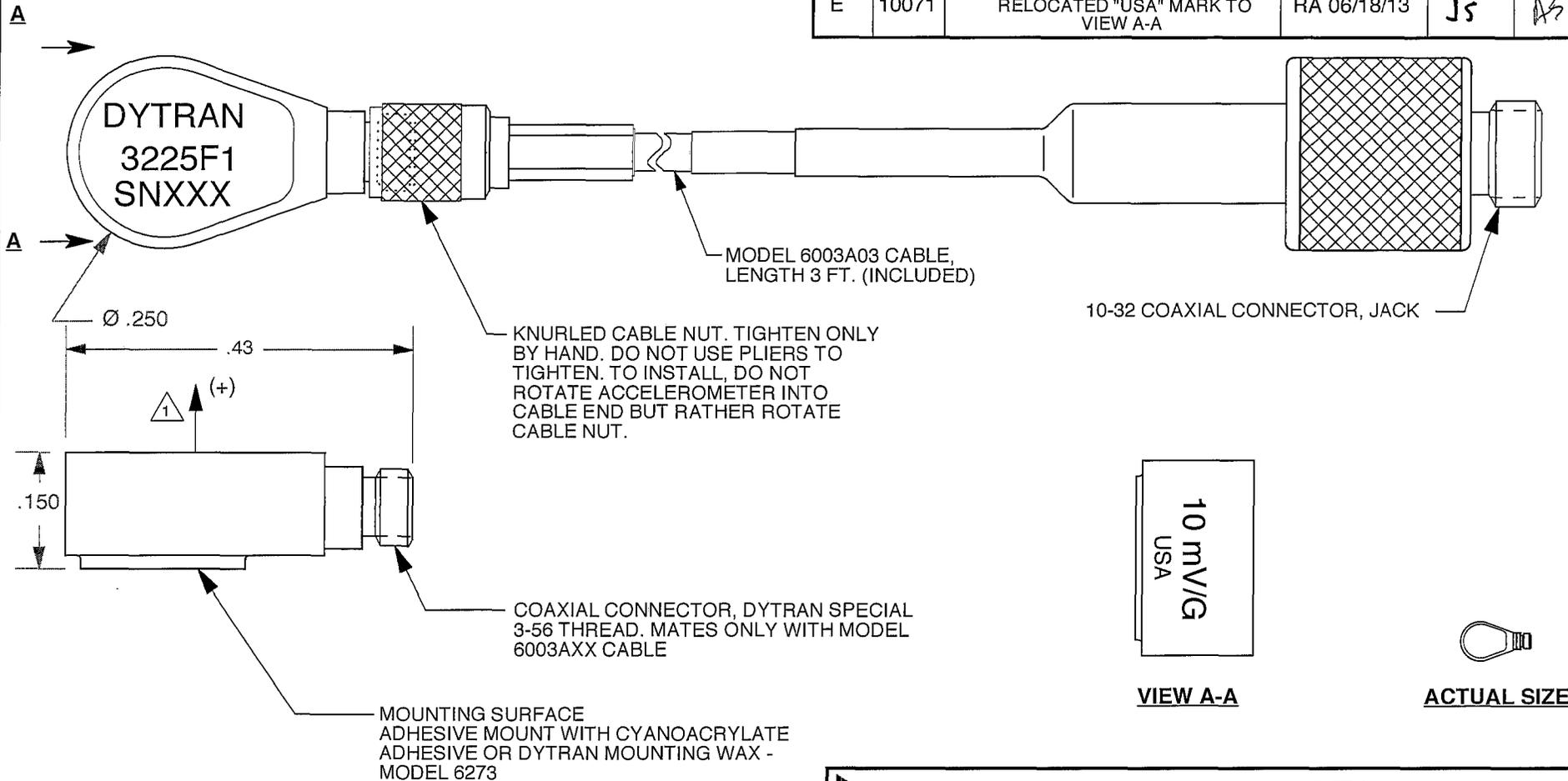


REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
C	6001	SEE ECN	RLA 7/08/09	EP	DV
D	9494	UPDATED VIEW OF CONNECTOR	AB 05/03/13	JS	DV
E	10071	RELOCATED "USA" MARK TO VIEW A-A	RA 06/18/13	JS	AS



- CASE AND CONNECTOR MATERIAL: TITANIUM.
- 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	ECN -		
DATE 10/2/01	PART NO.				
DRAWN N.C.	CHECKED R.A.	MAT'L			
APPROVED N.C.	10/07/02	NEXT ASSEMBLY	USED ON		
TITLE OUTLINE/INSTALLATION DRAWING, MODEL 3225F1			DWG NO. 127-3225F1		
			SHEET 1 OF 1		

MODEL NUMBER 3225F1	PERFORMANCE SPECIFICATION	DOC NO. PS3225F1
ACCELEROMETER, IEPE		REV D, ECN15205, 06/28/19



- MINIATURE SIZE
- REMOVABLE CABLE WITH 10-32 CONNECTOR
- HERMETICALLY SEALED

PHYSICAL

	ENGLISH		SI	
Weight	0.03	oz	0.8	grams
Mounting Provision	[1]		[1]	
Connector, Radially Mounted [2]	3-56		3-56	
Cable Length	36	Inches	914	mm
Case Material	Titanium		Titanium	
Sensing Element	Quartz		Quartz	
Material Mode	Shear		Shear	

PERFORMANCE

Sensitivity, ± 10% [3]	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 [4]	1	% F.S	1	% F.S
Transverse Sensitivity, Max	5	%	5	%
Noise Resolution [7]	0.007	grms	0.07	m/s ² rms
Strain Sensitivity @250/μe	0.0005	g/μe	0.005	m/s ² /μe

ENVIRONMENTAL

Maximum Vibration	400	Grms	3924	m/s ² rms
Maximum Shock	5000	Gpeak	49050	m/s ² peak
Temperature Range	-67 to +257	°F	-55 to +125	°C
Thermal Coefficient of Sensitivity	0.03	%/°F	0.054	%/°C
Environmental Seal	Hermetic		Hermetic	

ELECTRICAL

Supply Current [5]	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 +11	VDC	+7 to +11	VDC
Discharge Time Constant	0.3 to 1.0	Sec	0.3 to 1.0	Sec

This family also includes:

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

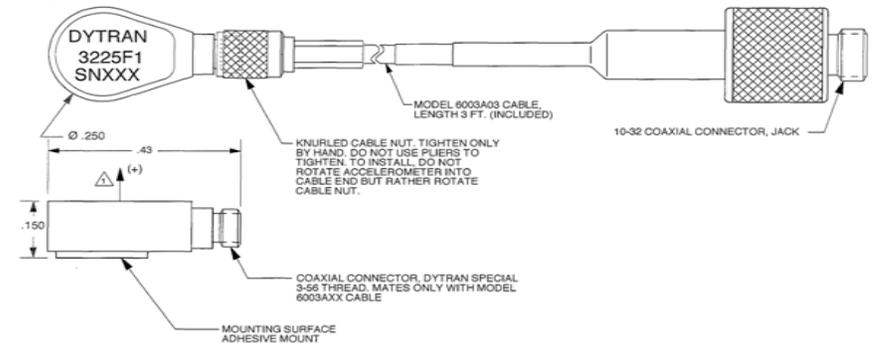
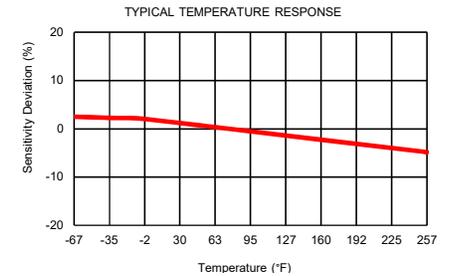
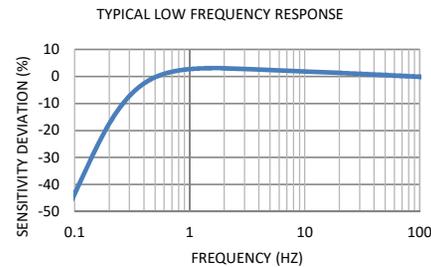
Refer to the performance specifications of the products in this family for detailed description.

Supplied Accessories

- 1) Model 6003A03 cable assembly. (3-foot 3-56 to 10-32)
- 2) Model 6591A installation and removal wrench
- 3) Model 6298 small petro mounting wax
- 4) Accredited calibration certificate (ISO 17025)

Notes:

- [1] Flat mounting surface for adhesive mount.
- [2] Mates with Dytran Cable 6003AXX (XX = Length in Feet)
- [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 [10 m/s²].



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3225F1 for more information.



21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax: 818.700.7880 www.dytran.com For permission to reprint this content, please contact info@dytran.com