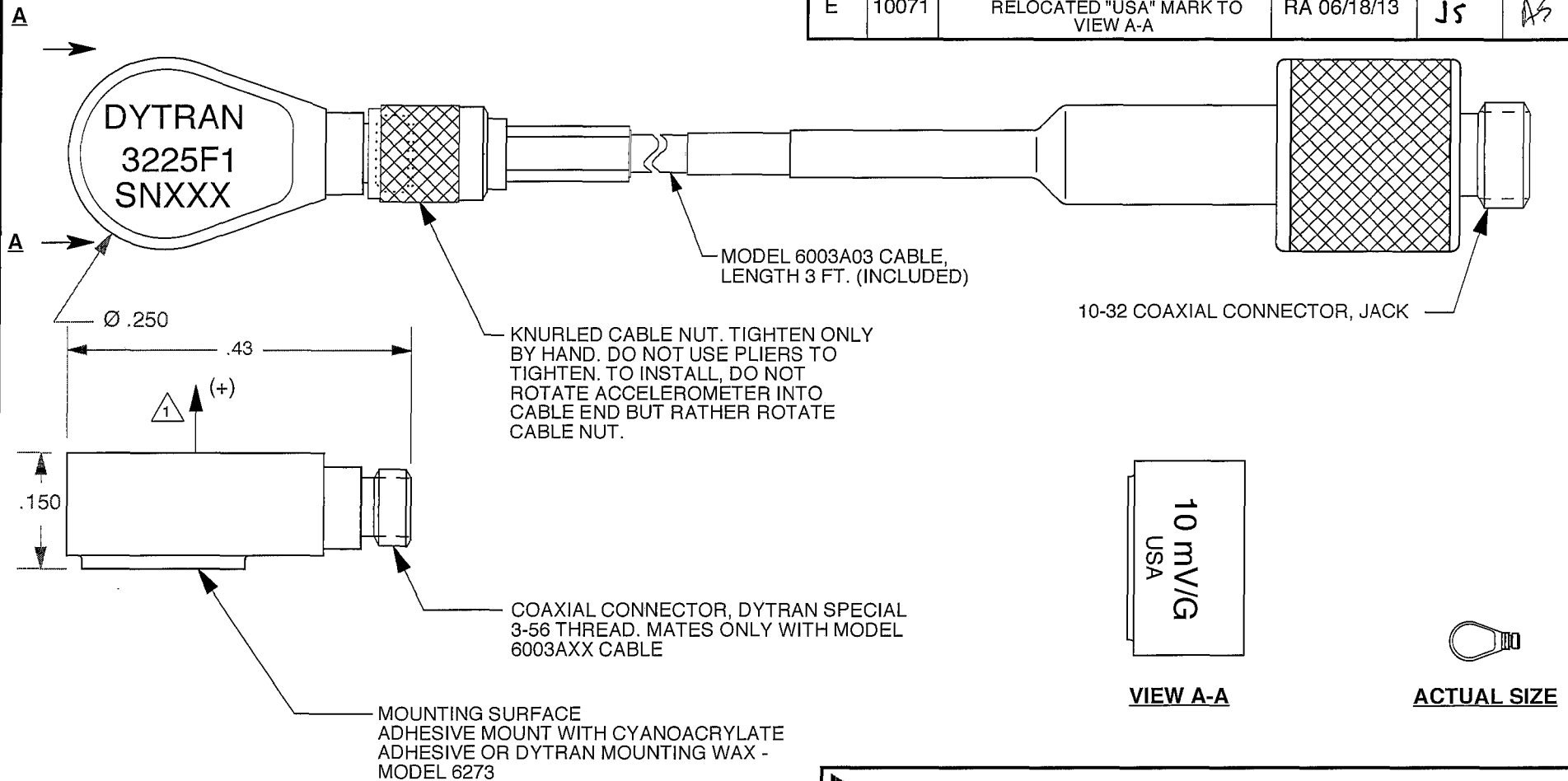


REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
C	6001	SEE ECN	RLA 7/08/09	EP	DV
D	9494	UPDATED VIEW OF CONNECTOR	AB 05/03/13	JS	DV
E	10071	RELOCATED "USA" MARK TO VIEW A-A	RA 06/18/13	JS	AS


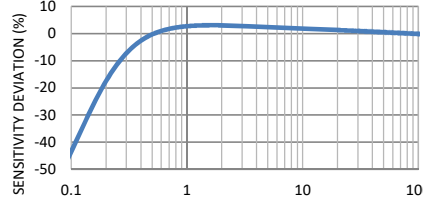
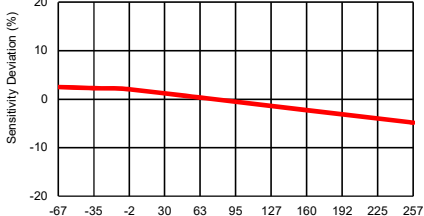
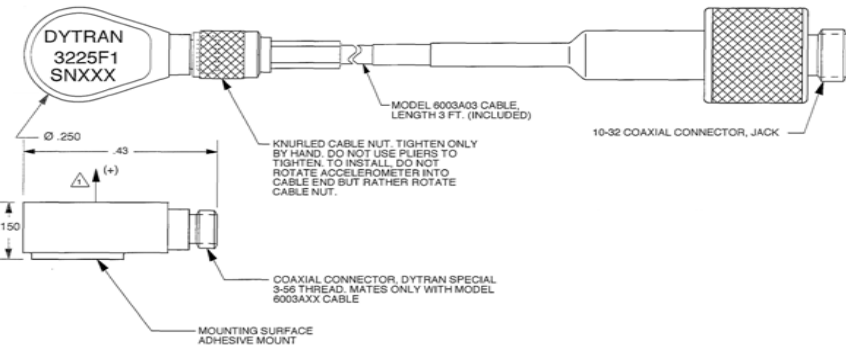



3. CASE AND CONNECTOR MATERIAL: TITANIUM.
2. WEIGHT LESS CABLE: 0.6 GRAMS.

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		CHATSORTH, CA.	
SCALE 5X	REV -	DATE 10/2/01	ECN SEE REV BLK		
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																									
		<div><div>• MINIATURE SIZE</div><div>• REMOVABLE CABLE WITH 10-32 CONNECTOR</div><div>• HERMETICALLY SEALED</div></div>																													
		<div><div>This family also includes:</div><table><tr><th>Model</th><th>Sensitivity (mV/g)</th><th>Range (g's)</th><th>Resolution (Grms)</th><th>Oper. Temp(°F)</th><th>TC</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table></div>						Model	Sensitivity (mV/g)	Range (g's)	Resolution (Grms)	Oper. Temp(°F)	TC																		
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.																													
		<div><div>Supplied Accessories</div><div>1) Model 6003A03 cable assmby. (3-foot 3-56 to 10-32)</div><div>2) Model 6591A installation and removal wrench</div><div>3) Model 6298 small petro mounting wax</div><div>4) Accredited calibration certificate (ISO 17025)</div></div>																													
		<div><div>Notes:</div><div>[1] Flat mounting surface for adhesive mount.</div><div>[2] Mates with Dytran Cable 6003AXX (XX = Length in Feet)</div><div>[3] Measured at 100 Hz, 1 grms per ISA RP37.2.</div><div>[4] Percent of full scale or any lesser range, zero based best-fit straight line method.</div><div>[5] Do not apply power to this device without current limiting, 20mA max, to do so will destroy the integral IC amplifier</div><div>[6] In the interest of constant product improvement, we reserve the right to change specifications without notice.</div><div>[7] Typical. Not to exceed .010 Grms [.10 m/s²].</div></div>																													
<div><div>PHYSICAL</div><div>Weight</div><div>Mounting Provision</div><div>Connector, Radially Mounted [2]</div><div>Cable Length</div><div>Case Material</div><div>Sensing Element</div><div>Material Mode</div></div>		<div><div>ENGLISH</div><div>0.03</div><div>[1]</div><div>3-56</div><div>36</div><div>Titanium</div><div>Quartz</div><div>Shear</div></div>		<div><div>SI</div><div>0.8</div><div>[1]</div><div>3-56</div><div>914</div><div>Titanium</div><div>Quartz</div><div>Shear</div></div>		<div><div>grams</div><div></div><div>mm</div></div>																									
<div><div>PERFORMANCE</div><div>Sensitivity, ± 10% [3]</div><div>Range F.S For ± 5 Volts Out</div><div>Frequency Response, +/- 10%</div><div>Mounted Resonant Frequency</div><div>Amplitude Non-Linearity [4]</div><div>Transverse Sensitivity, Max</div><div>Noise Resolution [7]</div><div>Strain Sensitivity @250/με</div></div>		<div><div>10</div><div>± 500</div><div>1.6 to 10,000</div><div>> 60</div><div>1</div><div>5</div><div>0.007</div><div>0.0005</div></div>		<div><div>mV/g</div><div>g's</div><div>Hz</div><div>kHz</div><div>% F.S</div><div>%</div><div>grms</div><div>g/με</div></div>		<div><div>mV/m/s²</div><div>m/s²</div><div>Hz</div><div>kHz</div><div>% F.S</div><div>%</div><div>m/s² rms</div><div>m/s²/με</div></div>																									
<div><div>ENVIRONMENTAL</div><div>Maximum Vibration</div><div>Maximum Shock</div><div>Temperature Range</div><div>Thermal Coefficient of Sensitivity</div><div>Environmental Seal</div></div>		<div><div>400</div><div>5000</div><div>-67 to +257</div><div>0.03</div><div>Hermetic</div></div>		<div><div>Grms</div><div>Gpeak</div><div>°F</div><div>%/°F</div><div></div></div>		<div><div>m/s² rms</div><div>m/s² peak</div><div>°C</div><div>%/°C</div><div>Hermetic</div></div>																									
<div><div>ELECTRICAL</div><div>Supply Current [5]</div><div>Compliance Voltage</div><div>Output Impedance, TYP</div><div>Bias Voltage</div><div>Discharge Time Constant</div></div>		<div><div>2 to 20</div><div>+18 to +30</div><div>100</div><div>+7 to +11</div><div>0.3 to 1.0</div></div>		<div><div>mA</div><div>Volts</div><div>Ω</div><div>VDC</div><div>Sec</div></div>		<div><div>2 to 20</div><div>+18 to +30</div><div>100</div><div>+7 to +11</div><div>0.3 to 1.0</div></div>		<div><div>mA</div><div>Volts</div><div>Ω</div><div>VDC</div><div>Sec</div></div>																							
		<div><div>TYPICAL LOW FREQUENCY RESPONSE</div><div></div><div><div>TYPICAL TEMPERATURE RESPONSE</div><div></div></div></div>																													
		<div><div></div></div>																													
		Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3225F1 for more information.																													



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