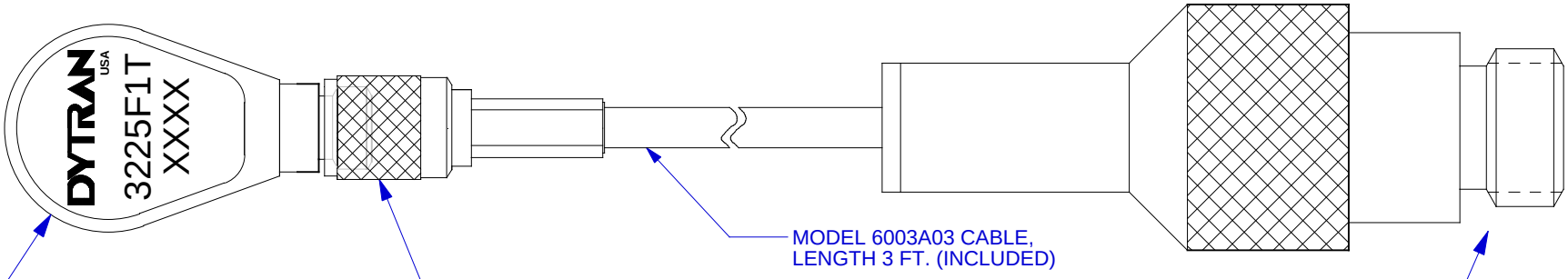
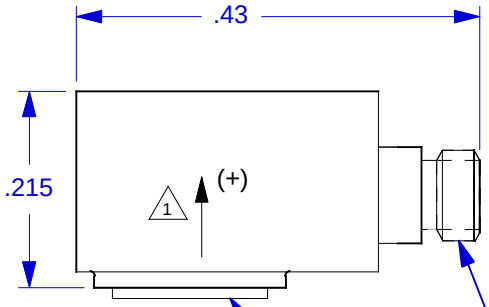


Ø .250

MODEL 6003A03 CABLE, LENGTH 3 FT. (INCLUDED)

KNURLED CABLE NUT. TIGHTEN ONLY BY HAND. DO NOT USE PLIERS TO TIGHTEN. TO INSTALL, DO NOT ROTATE ACCELEROMETER INTO CABLE END BUT RATHER ROTATE CABLE NUT.

10-32 COAXIAL CONNECTOR, JACK (PART OF 6003A03 CABLE, INCLUDED)



COAXIAL CONNECTOR, DYTRAN SPECIAL 3-56 THREAD. MATES ONLY WITH MODEL 6003AXX CABLE

MOUNTING SURFACE
ADHESIVE MOUNT WITH CYANOACRYLATE ADHESIVE OR DYTRAN MOUNTING WAX - MODEL 6273

ACTUAL SIZE

3. CASE AND CONNECTOR MATERIAL: TITANIUM.
2. WEIGHT LESS CABLE: 0.85 GRAMS.

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

DYTRAN INSTRUMENTS, INC.

CHATSWORTH, CA.

SCALE 5X	REV A	DATE 3/30/05	ECN N/A		
DATE 2/22/05	PART NO.				
DRAWN N.C.	CHECKED R.A.	MAT'L			
APPROVED	NEXTASSEMBLY		USEDON		

TITLE

OUTLINE/INSTALLATION DRAWING, MODEL 3225F1T

DWG NO. **127-3225F1T**

SHEET 1 OF 1

SPECIFICATIONS

MODEL 3225F1T MINIATURE LIVM ACCELEROMETER

SPECIFICATION	VALUE	UNITS
PHYSICAL		
WEIGHT	0.85	GRAMS
SIZE (DIA x LENGTH HEX x HEIGHT)	0.25 x 0.43 x .215	INCHES
MOUNTING PROVISION	Flat mounting surface for adhesive mount	
CONNECTOR, RADIALLY MOUNTED [1]	3-56	JACK
CASE MATERIAL	Titanium	
SENSING ELEMENT TYPE	Quartz, planar shear	
PERFORMANCE		
SENSITIVITY [2] [3]	10.0, nom.	mV/G
RANGE F.S. FOR ± 5 VOLTS OUT	±500	G's
FREQUENCY RESPONSE, ± 10% [3]	1.6 to 10,000	Hz
MOUNTED RESONANT FREQUENCY, NOM.	40	kHz
EQUIVALENT ELECTRICAL NOISE FLOOR	.007	G's RMS
AMPLITUDE NON-LINEARITY (ZERO BASED BEST-FIT ST.LINE METHOD)	2.0	% F.S., MAX.
TRANSVERSE SENSITIVITY, MAX.	5	PERCENT
STRAIN SENSITIVITY	.0005	G's per microstrain @ 250/μσ
ENVIRONMENTAL		
MAXIMUM VIBRATION	400	G's, RMS
MAXIMUM SHOCK	5000	G's, PEAK
TEMPERATURE RANGE	-60 TO 250	°F
THERMAL COEFFICIENT OF SENSITIVITY	.03	%/°F
ENVIRONMENTAL SEAL	Hermetic, TIG welded & glass-to-metal seal connector	
ELECTRICAL		
SUPPLY CURRENT/COMPLIANCE VOLTAGE RANGE [4]	2 to 20/+18 to +30	mA/Volts
OUTPUT IMPEDANCE, TYP.	100	Ohms
BIAS VOLTAGE, +10 VOLTS NOM.	+9 to +11	VDC
DISCHARGE TIME CONSTANT, NOM.	0.3	Sec
OUTPUT SIGNAL POLARITY FOR ACCELERATION TOWARD TOP		Positive
CASE GROUNDING	Case is grounded to electrical power ground	
IEPE sensor with TEDS feature	per IEEE 1451.4	

SUPPLIED ACCESSORIES:

(1) MODEL 6192 INSTALLATION REMOVAL WRENCH

NOTES:
[1] CONNECTOR MATES ONLY WITH DYTRAN CABLE MODEL 6003AXX (XX IS LENGTH IN FEET)
[2] MEASURED AT 100 Hz, 1 G RMS PER ISA RP37.2.
[3] ACTUAL SENSITIVITY IS GIVEN ON A CALIBRATION CERTIFICATE TRACEABLE TO **NIST,** SUPPLIED WITH EACH INSTRUMENT.
[4] DO NOT APPLY POWER TO THIS DEVICE WITHOUT CURRENT LIMITING, 20 mA MAX. TO DO SO WILL DESTROY THE INTEGRAL IC AMPLIFIER.