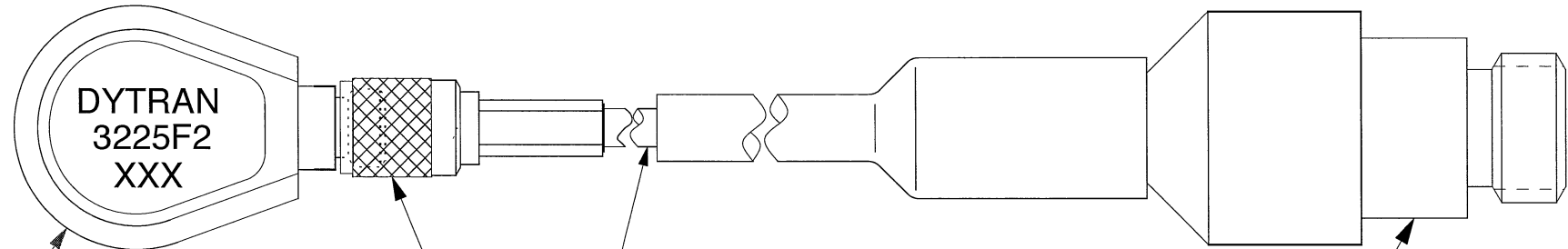


REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	8824	UPDATED MARKING TO MATCH 169 DRAWING	AB 07/03/12	fl	DL



DYTRAN
3225F2
XXX

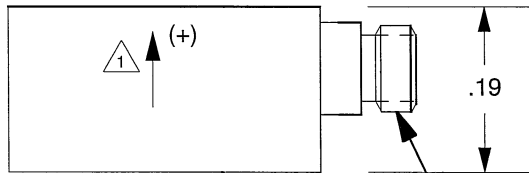
Ø .31

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)

.47



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 MATERIAL: ANODIZED ALUMINUM.
2. 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 -	ECN SEE REV BLOCK		
DATE 10/20/05	PART NO. -				
DRAWN R.A.	CHECKED	MAT'L -			
APPROVED	NEXT ASSEMBLY -		USED ON -		
TITLE OUTLINE/INSTALLATION DRAWING, MODEL 3225F2				DWG NO. 127-3225F2	
				SHEET 1 OF 1	



SPECIFICATIONS

MODEL 3225F2 MINIATURE IEPE ACCELEROMETER

SPECIFICATION	VALUE	UNITS
PHYSICAL		
WEIGHT	1	gram
SIZE (DIA x LENGTH HEX x HEIGHT)	0.31 x 0.48 x .19	inch
MOUNTING PROVISION	Flat mounting surface for adhesive mount	
CONNECTOR, RADIALLY MOUNTED [1]	3-56	
CASE MATERIAL	Aluminum, anodized	
SENSING ELEMENT TYPE	Quartz, planar shear	
PERFORMANCE		
SENSITIVITY, $\pm 10\%$ [2] [3]	10	mV/g
RANGE F.S. FOR ± 5 VOLTS OUT	± 500	g
FREQUENCY RESPONSE, $\pm 10\%$ [3]	2 to 10,000	Hz
MOUNTED RESONANT FREQUENCY, NOM.	40	kHz
EQUIVALENT ELECTRICAL NOISE FLOOR	.006	grms
AMPLITUDE NON-LINEARITY, (ZERO BASED BEST-FIT ST.LINE METHOD)	2	% F.S., MAX.
TRANSVERSE SENSITIVITY, MAX.	5	%
STRAIN SENSITIVITY @ 250 $\mu\epsilon$.05	g/ $\mu\epsilon$
ENVIRONMENTAL		
MAXIMUM VIBRATION	400	grms
MAXIMUM SHOCK	5000	gpk
TEMPERATURE RANGE	-60 TO +250	$^{\circ}$ F
THERMAL COEFFICIENT OF SENSITIVITY	.03	%/ $^{\circ}$ F
ENVIRONMENTAL SEAL	Hermetic, TIG welded & glass-to-metal seal connector	
ELECTRICAL		
SUPPLY CURRENT [4]	2 to 20	mA
COMPLIANCE VOLTAGE RANGE	+18 to +30	Volts
OUTPUT IMPEDANCE, TYP.	70	Ω
BIAS VOLTAGE, +10 VOLTS	+7 to +11	Vdc
DISCHARGE TIME CONSTANT	0.3 to 0.5	sec
OUTPUT SIGNAL POLARITY FOR ACCELERATION TOWARD TOP	Positive	
CASE ISOLATION, MIN	10	M Ω

SUPPLIED ACCESSORIES:

- [1] MODEL 6591A INSTALLATION REMOVAL WRENCH
- [1] MODEL 6298 SMALL PETRO WAX

NOTES:

- [1] CONNECTOR MATES ONLY WITH DYTRAN CABLE MODEL 6003AXX (XX IS LENGTH IN FEET)
- [2] MEASURED AT 100 Hz, 1 grms 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.