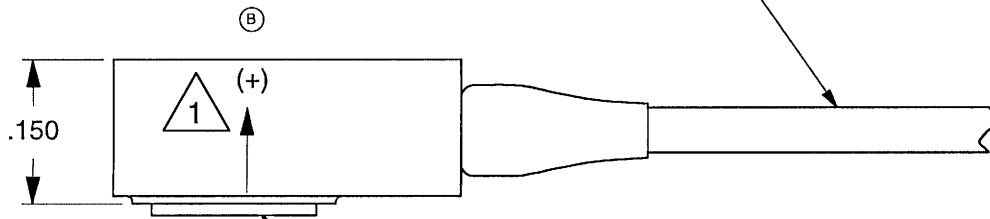


PERMANENTLY ATTACHED
CABLE, LENGTH 3 FT.

6109 10-32 COAXIAL CONNECTOR, JACK
(INCLUDED, INSTALLED)



MOUNTING SURFACE
ADHESIVE MOUNT WITH CYNOACRYLATE
ADHESIVE OR DYTRAN MOUNTING WAX -
MODEL 6273 (A)



ACTUAL SIZE

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. (B)

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 (B) TO T.I.R.

FILLETS - MAX RAD.

DYTRAN INSTRUMENTS, INC.		CHATSWORTH, CA.	
SCALE 5X	REV B	DATE 8/2/06	ECN ECR1525
DATE 10/2/01		PART NO.	
DRAWN N.C.	CHECKED KS	MAT'L	
APPROVED AUL 8-8-06		NEXT ASSEMBLY	USED ON
TITLE OUTLINE/INSTALLATION DRAWING, MODEL 3225F			DWG NO. 127-3225F
			SHEET 1 OF 1



SPECIFICATIONS

MODEL 3225F MINIATURE VOLTAGE MODE ACCELEROMETER

SPECIFICATION	VALUE	UNITS
PHYSICAL		
WEIGHT	0.6	GRAMS
SIZE (DIA x LENGTH HEX x HEIGHT)	0.25 x 0.36 x .150	INCHES
MOUNTING PROVISION	FLAT MOUNTING SURFACE FOR ADHESIVE MOUNT	
CONNECTOR, COAXIAL	10-32 JACK AT END OF FIXED 3 FT. CABLE	
CASE MATERIAL	TITANIUM	
SENSING ELEMENT	PLANAR SHEAR QUARTZ	
PERFORMANCE		
SENSITIVITY, ± 10% [1] [2]	10.0	mV/G
RANGE F.S.	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	EPOXY	
ELECTRICAL		
SUPPLY CURRENT/COMPLIANCE VOLTAGE RANGE [3]	2 to 20/+18 to +30	mA/Volts
OUTPUT IMPEDANCE, TYP.	100	Ohms
BIAS VOLTAGE	+7 to +9	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	

SUPPLIED ACCESSORIES:

[1] MODEL 6192 INSTALLATION REMOVAL WRENCH

NOTES:

[1] MEASURED AT 100 Hz, 1 G RMS

[2] ACTUAL SENSITIVITY IS GIVEN ON A CALIBRATION CERTIFICATE TRACEABLE TO **NIST**, SUPPLIED WITH EACH INSTRUMENT.

[3] DO NOT APPLY POWER TO THIS DEVICE WITHOUT CURRENT LIMITING, 20 mA MAX. TO DO SO WILL DESTROY THE INTEGRAL IC AMPLIFIER