



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.



CHATSORTH, CA.

SCALE	5X	REV	-	DATE	-	ECN	-		
DATE	10/20/05	PART NO.							
DRAWN	R.A.	CHECKED		MAT'L					
APPROVED	AML 10.21.05	NEXT ASSEMBLY		USED ON					
TITLE								DWG NO.	
OUTLINE/INSTALLATION DRAWING, MODEL 3225F2								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, ±10% [2] [3]	10	mV/g
RANGE F.S. FOR ± 5 VOLTS OUT	±500	g
FREQUENCY RESPONSE, ± 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 @ 250µε	.05	g/µε
ENVIRONMENTAL		
MAXIMUM VIBRATION	400	grms
MAXIMUM SHOCK	5000	gpk
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 [4]	2 to 20	mA
COMPLIANCE VOLTAGE RANGE	+18 to +30	Volts
OUTPUT IMPEDANCE, TYP.	70	Ω
BIAS VOLTAGE, +10 VOLTS NOM.	+9 to +11	Vdc
DISCHARGE TIME CONSTANT, NOM.	0.5	sec
OUTPUT SIGNAL POLARITY FOR ACCELERATION TOWARD TOP	Positive	
CASE ISOLATION, MIN	10	MΩ

### 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.