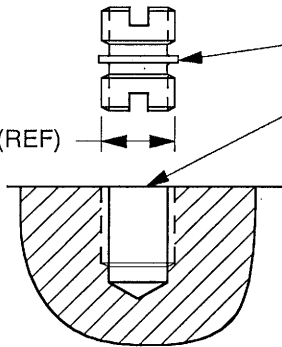


10-32 X .200 DEEP TAPPED HOLE

MODEL 6200S MOUNTING STUD,
(PROVIDED)

SELECT SURFACE FLAT TO .001 TIR
MOUNTING HOLE PREPARATION:
DRILL #21 (.159) DIA. X .250 DEEP
BOTTOM TAP 10-32 UNF-2B X .200
MIN. DEPTH PERF. THD.

10-32 THREAD, TYP (REF)



CHATSWORTH, CA.

SCALE	2X	REV	-	DATE	-	ECN	-
DATE	5/9/05	PART NO.	MOD 3148E				
DRAWN	N.C.	CHECKED	D.Z.	MAT'L			
APPROVED	<i>[Signature]</i>		5905	NEXT ASSEMBLY	USED ON	3148E	
TITLE	OUTLINE/INSTALLATION DRAWING, MODEL 3148E					DWG NO.	127-3148E
						SHEET	1 OF 1

1. WEIGHT-48 GRAMS

SPECIFICATIONS

MODEL 3148E INDUSTRIAL ACCELEROMETER

SPECIFICATION	VALUE	UNITS
PHYSICAL		
WEIGHT	48	GRAMS
SIZE (HEX x HEIGHT)	.625 X 1.44	INCHES
MOUNTING PROVISION	10/32 TAPPED HOLE AT BOTTOM	
CONNECTOR, COAXIAL, RADIALLY MOUNTED	BNC	10SL-4P
CASE /CONNECTOR MATERIAL	316L STAINLESS STEEL	
ELEMENT TYPE	PIEZOCERAMIC PLANAR SHEAR	
PERFORMANCE		
SENSITIVITY, $\pm 2\%$ [1]	100	mV/G
RANGE F.S. FOR ± 5 VOLTS OUT	± 50	G's
FREQUENCY RESPONSE, $\pm 5\%$	0.5 to 5000	Hz
MOUNTED RESONANT FREQUENCY.	>26	kHz
EQUIVALENT ELECTRICAL NOISE (RESOLUTION)	.0007	G, RMS
AMPLITUDE NON-LINEARITY (ZERO BASED BEST FIT ST.LINE METHOD)	2.0	% F.S., MAX.
TRANSVERSE SENSITIVITY, MAX.	5	PERCENT
STRAIN SENSITIVITY	.001	G's PER MICROSTRAIN @ 250/ $\mu\sigma$
ENVIRONMENTAL		
MAXIMUM VIBRATION	600	G's, RMS
MAXIMUM SHOCK	3000	G's, PEAK
TEMPERATURE RANGE	-60 TO +250	$^{\circ}$ F
ENVIRONMENTAL SEAL	HERMETIC	
ELECTRICAL		
EXCITATION (COMPLIANCE) VOLTAGE RANGE	+18 to +30	VDC
EXCITATION CURRENT RANGE	2 to 20	mA
OUTPUT IMPEDANCE, NOM.	150	OHMS
OUTPUT BIAS VOLTAGE,	+11 to +13	VDC
DISCHARGE TIME CONSTANT	0.7 to 1.2	SEC.
OUTPUT SIGNAL POLARITY FOR ACCELERATION TOWARD TOP	POSITIVE GOING	
CASE GROUND ISOLATION, MIN.	10	GIGOHMS

SUPPLIED ACCESSORIES:

[1] MEASURED AT 100Hz, 1 g RMS LEVEL BY BACK-TO-BACK COMPARISON PER ISA RP37.2.

[2] EACH UNIT SUPPLIED WITH NIST TRACEABLE CALIBRATION CERTIFICATE

[3] MODEL 6200 10-32 BERYLLIUM COPPER MOUNTING STUD