



EXCEPT AS OTHERWISE NOTED

ALL DIMENSIONS IN INCHES
 TOLERANCE: .XXX = ± .005 .XX = ± .01
 SURFACE FINISH ✓
 EXCEPT AS NOTED
 BREAK EDGES TO DEBURR
 RADIUS OR CHAMFER

△ THESE DIAS ⊙ TO T.I.R.
 FILLETS - MAX RAD.

ALL PART NUMBER LETTERSUFFIXES ARE TO BE INTERPRETED AS FOLLOWS:
 I.E. - 107-0000-01 (X)
 M - MACHINED ONLY (UNPLATED) G - MATERIAL HAS BEEN GRAINED
 P - PLATED/PAINTED S - MATERIAL HAS BEEN SAWCUT
 H - HEAT TREATED E - ENVIRONMENTAL TEST

DYTRAN INSTRUMENTS, INC.		CHATSWORTH, CA.			
SCALE	2X	REV	DATE	ECN	
DATE	3/2/98	PART NO.	3039C		
DRAWN	N.C.	CHECKED	R.A.		
APPROVED	NEXT ASSEMBLY		USED ON 3039C		
TITLE				DWG NO.	
OUTLINE/INSTALLATION DRAWING, MODEL 3039C				127-3039C	
SHEET 1 OF 1					



SPECIFICATIONS
MODEL 3039C TRIAXIAL CHARGE MODE ACCELEROMETER

SPECIFICATION	VALUE	UNITS
PHYSICAL		
WEIGHT	42	GRAMS
SIZE (LENGTH x WIDTH x HEIGHT), not incl. connector	1.04 x 1.04 x .65	INCHES
MOUNTING PROVISION	10-32 SOCKET HEAD CAP SCREW	ST. STEEL
CONNECTORS (3)	RADIALLY MOUNTED	10-32 COAXIAL
CASE MATERIAL	TITANIUM	
PERFORMANCE		
SENSITIVITY, (+/- 10%) [1]	15	pC/G
RANGE F.S.	±1000	G's
FREQUENCY RESPONSE +/- 5%	0.5 to 3000	Hz
+/- 10%	0.3 to 5000	Hz
+/- 3db	0.2 to 10,000	Hz
MOUNTED RESONANT FREQUENCY, NOM.	30	kHz
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/μ
ENVIRONMENTAL		
MAXIMUM VIBRATION	1500	G's, RMS
MAXIMUM SHOCK	2000	G's, PEAK
TEMPERATURE RANGE	-65 to +400	DEG.
THERMAL COEFFICIENT OF SENSITIVITY	SEE GRAPH BELOW	
ENVIRONMENTAL SEAL (EACH ACCEL ELEMENT)	WELDED/GLASS TO METAL SEAL	HERMETIC
ELECTRICAL		
CAPACITANCE, NOM.	350	pF

SUPPLIED ACCESSORIES:

(1) MODEL 6246A1 MOUNTING SCREW, #10-32 SOCKET HEAD CAP SCREW, .73 LONG

NOTES:

1) A CALIBRATION CERTIFICATE TRACEABLE TO **NIST** IS SUPPLIED WITH EACH INSTRUMENT.

TYPICAL THERMAL SENSITIVITY GRAPH MODEL 3039C

