



ARROW INDICATES  
ACCELERATION DIRECTION  
FOR POSITIVE CHARGE OUTPUT

10-32 UNF-2A  
MOUNTING STUD

- 3. WEIGHT: 3.2 GRAMS NOM
- 2. CAPACITANCE: 650 pF NOM
- 1. SENSITIVITY: 5.6 pC/g NOM

EXCEPT AS OTHERWISE NOTED	
ALL DIMENSIONS IN INCHES TOLERANCE: XXX = ± .005 .XX = ± .01	
SURFACE FINISH EXCEPT AS NOTED	63/ ✓
BREAK EDGES TO DEBURR .005 / .015 RADIUS OR CHAMFER	
FILLETS: .005 MAX R	

<b>DYTRAN</b>				INSTRUMENTS, INC.				CHATSWORTH, CA			
SCALE	4:1	REV	-	DATE	-	ECN	-				
DATE	12/17/2005	PART NO.		MODEL 3049D							
DRAWN	PML	CHECKED		MATERIAL							
APPROVED	PML 12-17-05		NEXT ASSEMBLY				USED ON				
TITLE										DWG NO.	
OUTLINE DRAWING, 3049D										127-3049D	
SHEET 1 OF 1											



**SPECIFICATIONS MODEL 3049D, 3049D1**

<b>SPECIFICATION</b>	<b>VALUE</b>	<b>UNITS</b>
<b>PHYSICAL</b>		
WEIGHT, 3049D	3.2	grams
WEIGHT, 3049D1	3.0	grams
SIZE, HEX X HEIGHT	.39 (10mm) X .44	inches
MOUNTING, 3049D	10-32 integral stud	
MOUNTING, 3049D1	adhesive mount	
CONNECTOR, TOP MOUNTED	10-32	coaxial
MATERIAL, HOUSING AND CONNECTOR	Titanium alloy	
<b>PERFORMANCE</b>		
SENSITIVITY, NOM.[1]	5.8	pC/g
FREQUENCY RANGE, ± 5%	to 5k	Hz
RESONANT FREQUENCY, NOM.	40	kHz
LINEARITY [2]	± 1%	% F.S.
TRANSVERSE SENSITIVITY, MAX.	5	%
STRAIN SENSITIVITY	.03	g/με @ 250με
<b>ENVIRONMENTAL</b>		
MAXIMUM VIBRATION/SHOCK	1000/2000	±g pk
TEMPERATURE RANGE	-100 to +350	°F
SEAL, HERMETIC	glass-to-metal and TIG welded	
COEFFICIENT OF THERMAL SENSITIVITY	.06	%/°F
<b>ELECTRICAL</b>		
CAPACITANCE, NOM.	650	pF
OUTPUT SIGNAL POLARITY	positive	
FOR ACCELERATION TOWARD TOP CASE GROUNDING	signal ground is isolated from mounting surface	

[1] Measured at 100 Hz, 1 g rms per ISA RP 37.2.