


CONTROLLED DOCUMENT
Do not alter or destroy!

3. MATERIAL FOR HOUSING & CONNECTOR - 316L STAINLESS STEEL.
2. MOUNTING TORQUE - 15 LB.-IN.
1. WEIGHT - 6.8 GRAMS

EXCEPT AS OTHERWISE NOTED	
ALL DIMENSIONS IN INCHES TOLERANCE: .XXX = ±	.XX = ± .01
SURFACE FINISH EXCEPT AS NOTED	✓
BREAK EDGES TO DEBURR RADIUS OR CHAMFER	
△ THESE DIAS	⊙ TO T.I.R.
FILLETS -	MAX RAD.

DYTRAN INSTRUMENTS, INC.		MASTER ONLY IF IN RED		JUN 30 1998		CHATSWORTH, CA.	
SCALE	4X	REV	A	DATE	6/23/98	ECN	-
DATE	12/7/95	PART NO.					
DRAWN	N.C.	CHECKED	N.C.	MAT'L			
APPROVED	[Signature]		NEXT ASSEMBLY			USED ON	SERIES 3030B
TITLE				OUTLINE/INSTALLATION DRAWING, MODEL SERIES 3030B			
				DWG NO.		127-3030B	
				SHEET		1 OF 1	

Model Number 3030B5		PERFORMANCE SPECIFICATION				DOC NO PS3030B5	
		MINIATURE IEPE ACCELEROMETER				REV B, ECN 6906, 07/07/10	
		<ul style="list-style-type: none">• MINIATURE SIZE• EXCELLENT LINEARITY• HERMETICALLY SEALED					
		ENGLISH		SI			
PHYSICAL Weight Size Connector Mounting Provision Material Element Style		0.24		oz	6.8	grams	
		0.375 x 0.67		Inches	9.525 x 17.01	mm	
		10-32 Micro Coax			10-32 Micro Coax		
		10-32 (UNF-2A)			10-32 (UNF-2A)		
		304L			304L		
		Quartz Shear			Quartz Shear		
		Accelerometer and Connector					
PERFORMANCE Sensitivity, ±5% [1] Range F.S for ± 5 Volts Output Frequency Response, ±5% Resonant Frequency, Nom Equivalent Electrical Noise Floor Linearity [2] Maximum Transverse sensitivity Strain Sensitivity @ 250µε		10		mV/g	1	mV/m/s ²	
		±500		g	±4905	m/s ²	
		5 to 10000		Hz	5 to 10000	Hz	
		30		kHz	30	kHz	
		0.0036		Grms	0.0353	m/s ² rms	
		± 1%		% F.S.	± 1%	% F.S.	
		5		%	5	%	
		0.003		g/µε	0.03	m/s ² /µε	
ENVIRONMENTAL Maximum Vibration Maximum Shock Temperature Range Seal, Hermetic		±1000		Gpeak	±9810	m/s ² peak	
		±3000		Gpeak	±29430	m/s ² peak	
		-60 to +250		°F	-51 to 121	°C	
		Welded/Glass To Metal			Welded/Glass To Metal		
ELECTRICAL Supply Current Range [3] Compliance Voltage Range Output Impedance, Typ Bias Voltage Discharge Time Constant		2 to 20		mA	2 to 20	mA	
		+ 18 to +30		Volts	+ 18 to +30	Volts	
		100		Ω	100	Ω	
		7.5 to 11		VDC	7.5 to 11	VDC	
		0.1 to 0.15		Sec	0.1 to 0.15	Sec	