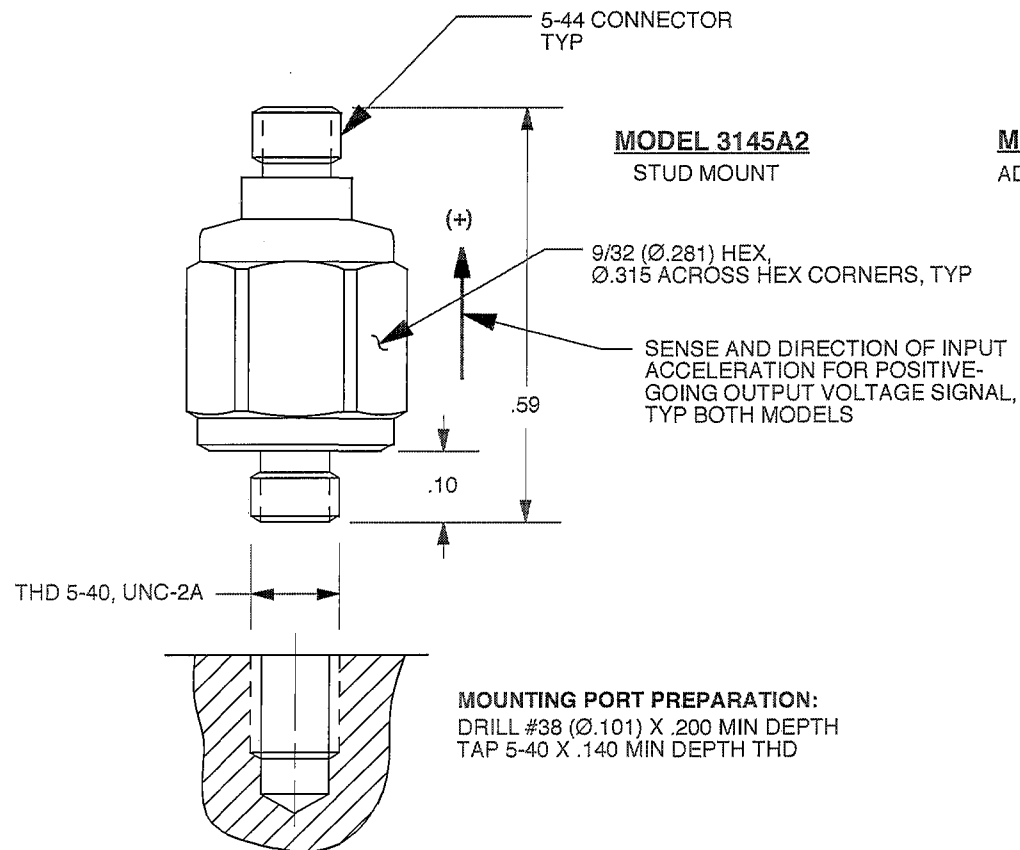
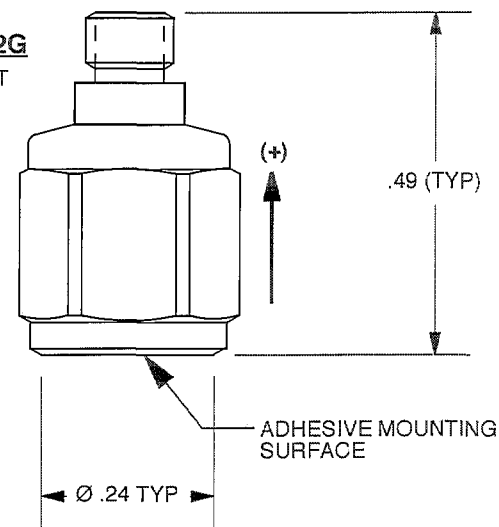


REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	10271	MATERIAL IS: 304L STAINLESS STEEL WAS: TITANIUM ALLOY	RLA 8/16/13	MH	AS



MODEL 3145A2G
ADHESIVE MOUNT



5. SUGGESTED ADHESIVE TYPE FOR MODEL 3145A2G-CYANOACRYLATE "INSTANT" BOND.
4. TO INSTALL MOD 3145A2, TORQUE IN PLACE WITH 10 LB.-INCHES.
3. WEIGHT-MOD 3145A2-2.3 GRAMS., MOD 3145A2G-2.1 GRAMS
2. SEAL-HERMETIC, ALL WELDED.
1. MATERIAL: 304L STAINLESS STEEL


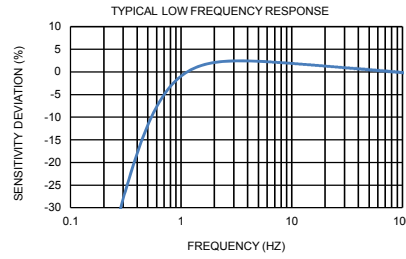
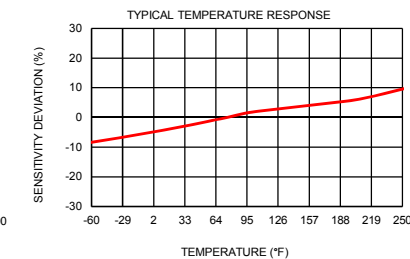
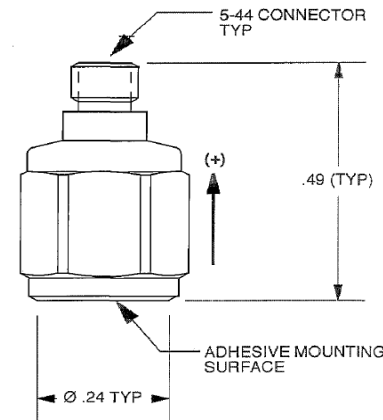
EXCEPT AS OTHERWISE NOTED	
ALL DIMENSIONS IN INCHES TOLERANCE: .XXX = ± .XX = ± .01	
SURFACE FINISH EXCEPT AS NOTED	✓
BREAK EDGES TO DEBURR RADIUS OR CHAMFER	
THESE DIAS TO T.I.R.	
FILLET -	MAX RAD.




**MASTER
ONLY IF IN RED**

CHATSWORTH, CA.

SCALE 4X	REV -	DATE SEE REV BLK	ECN -		
DATE 3/24/03	PART NO.				
DRAWN N.C.	CHECKED R.A.	MAT'L			
APPROVED N.C.	3/24/03	NEXT ASSEMBLY	USED ON 3145A2 & 3145A2G		
TITLE OUTLINE/INSTALLATION DRAWING MODELS 3145A2 & 3145A2G				DWG NO. 127-3145A2	
				SHEET 1 OF 1	

Model Number 3145A2G		PERFORMANCE SPECIFICATIONS				DOC NO PS3145A2G																					
		IEPE ACCELEROMETER				REV D, ECN 14478, 09/11/18																					
		<ul style="list-style-type: none">• MINIATURE DESIGN• HERMETICALLY SEALED				<p>This family also includes:</p> <table><tr><th>Model</th><th>Sensitivity (mV/g)</th><th>Frequency Response (Hz)</th><th>Time Constant (Sec)</th><th>Operating Temp (°F)</th></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table> <p>Refer to the performance specifications of the products in this family for detailed description</p> <p>Supplied Accessories:</p> <p>1) Accredited calibration certificate (ISO 17025)</p> <p>Notes:</p> <p>[1] Measured at 100Hz, 1 Grms per ISA RP 37.2.</p> <p>[2] Measure using zero-based straight line method, % of F.S. or any lesser range.</p> <p>[3] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier.</p> <div><p>Typical Low Frequency Response</p><p>Typical Temperature Response</p></div> <div><p>5-44 CONNECTOR TYP</p><p>.49 (TYP)</p><p>ADHESIVE MOUNTING SURFACE</p><p>Ø .24 TYP</p></div> <p>Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3145A2 for more information.</p>		Model	Sensitivity (mV/g)	Frequency Response (Hz)	Time Constant (Sec)	Operating Temp (°F)															
Model	Sensitivity (mV/g)	Frequency Response (Hz)	Time Constant (Sec)	Operating Temp (°F)																							
PHYSICAL		ENGLISH		SI																							
Weight	0.07	oz	2.1	grams																							
Connector	5-44 Coaxial		5-44 Coaxial																								
Mounting Provision	Adhesive Mount		Adhesive Mount																								
Material, Housing/Connector	300 Series S.S.		300 Series S.S.																								
Sensing Element	Ceramic		Ceramic																								
Element Style	Planar Shear		Planar Shear																								
PERFORMANCE																											
Sensitivity, ±10% [1]	5	mV/g	0.51	mV/m/s ²																							
Range for ± 5 Volts Output	1,000	g	9810	m/s ²																							
Frequency Response, ± 5%	1 to 7,000	Hz	1 to 7,000	Hz																							
Frequency Response, ± 10%	0.8 to 10,000	Hz	0.8 to 10,000	Hz																							
Resonant Frequency	> 45	kHz	> 45	kHz																							
Equivalent Electrical Noise Floor	0.01	Grms	0.10	m/s ² rms																							
Linearity, [2]	±1	% F.S.	±1	% F.S.																							
Maximum Transverse Sensitivity	5	%	5	%																							
Strain Sensitivity @ 250µε	0.001	g/µε	0.01	m/s ² /µε																							
ENVIRONMENTAL																											
Maximum Vibration	1000	Gpeak	9810	m/s ² peak																							
Maximum Shock	3000	Gpeak	29430	m/s ² peak																							
Temperature Range	-60 to +250	°F	-51 to 121	°C																							
Seal	Hermetic		Hermetic																								
ELECTRICAL																											
Supply Current Range [3]	2 to 20	mA	2 to 20	mA																							
Compliance Voltage Range	+18 to +30	Volts	+18 to +30	Volts																							
Output Impedence, Typ	150	Ω	150	Ω																							
Bias Voltage	+11 to +13	VDC	+11 to +13	VDC																							
Discharge Time Constant	0.5 to 2.0	Sec	0.5 to 2.0	Sec																							
Ground Isolation	Case Ground		Case Ground																								



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