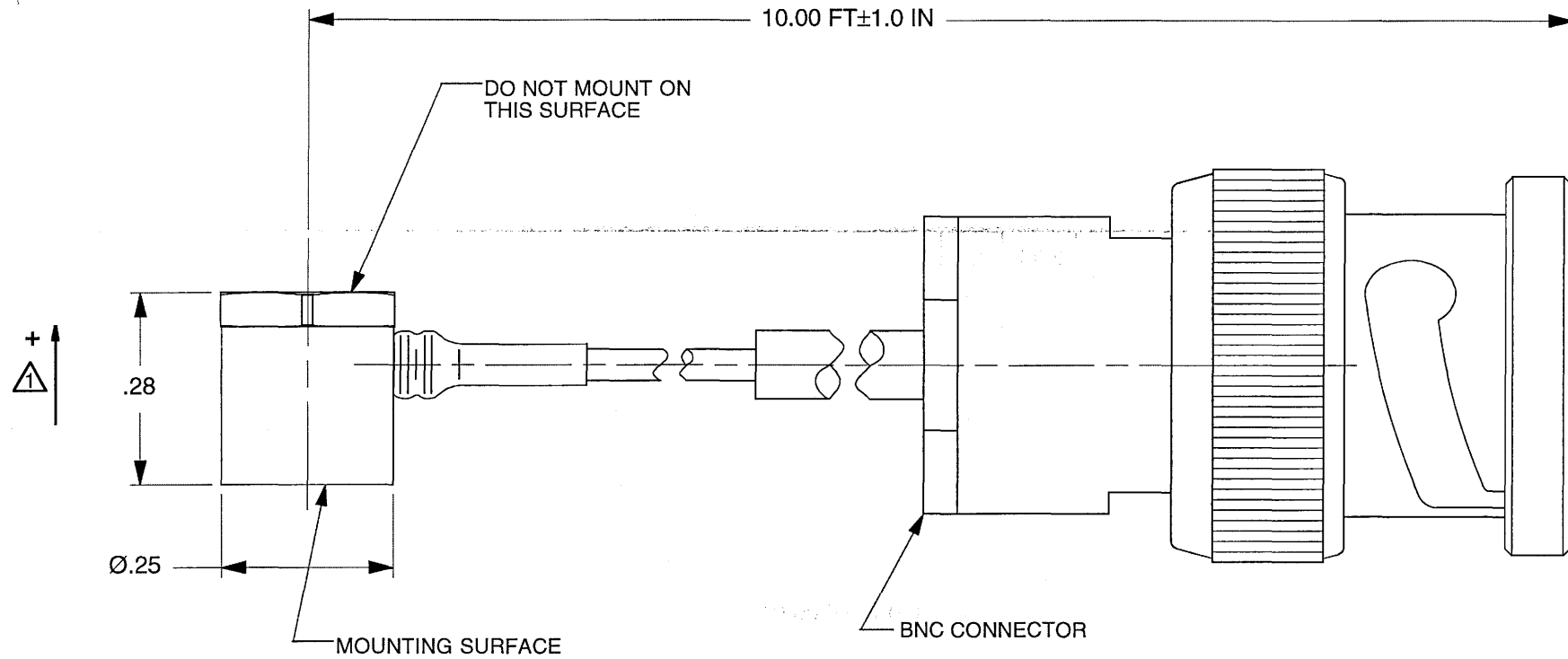
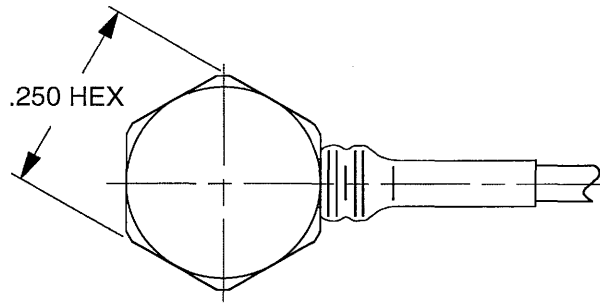
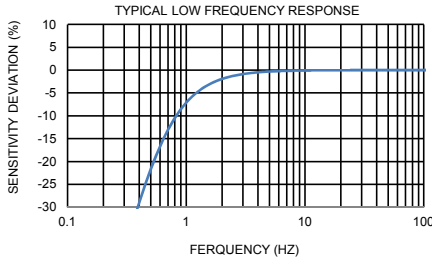
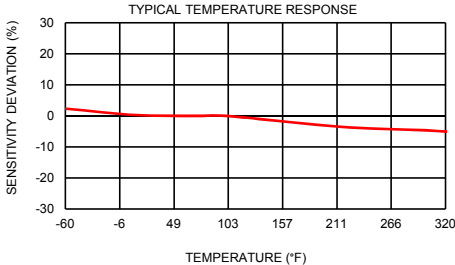
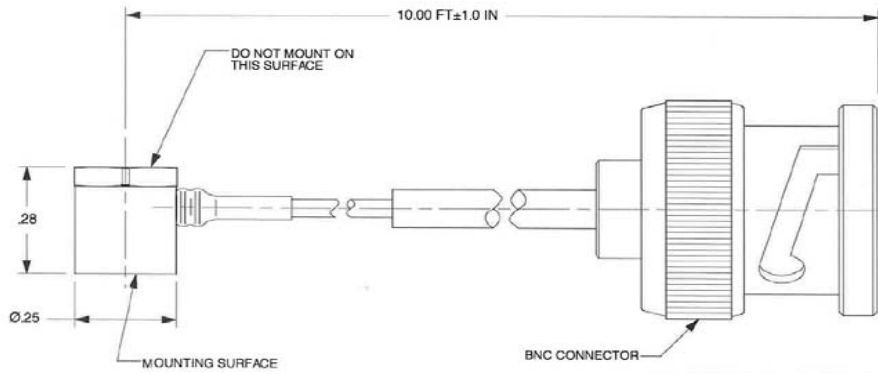


REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	5066	INITIAL RELEASE	RLA 2/19/08	fd	91



		MASTER ONLY IF IN RED		CHATSWORTH, CA.	
SCALE	4X	REV	-	DATE	SEE REV BLOCK
DATE	2/12/06	PART NO.	MODEL 3032M9		
DRAWN	N.C.	CHECKED	ccs		
APPROVED	C. Samp 2/25/8		NEXT ASSEMBLY	USED ON	
TITLE			MODEL 3032M9		DWG NO.
OUTLINE DRAWING, MODEL 3032M9			127-3032M9		
			SHEET 1 OF 1		

1 ARROW INDICATES SENSE AND DIRECTION OF ACCELERATION FOR POSITIVE-GOING OUTPUT VOLTAGE

Model Number 3032M9		PERFORMANCE SPECIFICATION				DOC NO PS3032M9	
		IEPE ACCELEROMETER				REV A, ECN 14768, 12/26/18	
		• MINIATURE SIZE • FULL LASER WELDED BODY • EPOXY SEALED CABLE CONNECTION					
PHYSICAL							
Weight, including cable	Hex x Height	0.2	oz	6	grams		
Size, accelerometer		.25 x .28	Inches	6.35 x 7.11	mm		
Mounting Provision [4]		Adhesive Mount		Adhesive Mount			
Connector		BNC		BNC			
Housing	Material	Titanium		Titanium			
Sensing	Material	Quartz		Quartz			
	Mode	Shear		Shear			
PERFORMANCE							
Sensitivity, ±10% [1]		10	mV/g	1.0	mV/m/s ²		
Range F.S for ± 5 Volts Output		±500	g	±4905	m/s ²		
Frequency Response, ± 10%		1 to 10000	Hz	1 to 10000	Hz		
Frequency Response, ± 3dB		.66 to 12000	Hz	.66 to 12000	Hz		
Resonant Frequency, Nominal		40	kHz	40	kHz		
Equivalent Electrical Noise (Resolution) [5]		0.007	grms	0.07	m/s ² rms		
Linearity [2]		± 2	% F.S.	± 2	% F.S.		
Maximum Transverse Sensitivity		5	%	5	%		
Strain Sensitivity @ 250 µε		0.001	g/µε	0.01	m/s ² /µε		
ENVIRONMENTAL							
Maximum Vibration		±1000	g's, peak	±9810	m/s ² peak		
Maximum Shock		±1500	g's, peak	±14715	m/s ² peak		
Temperature Range (Accelerometer)		-60 to 320	°F	-51 to 160	°C		
Seal		Epoxy/Weld		Epoxy/Weld			
Electrical							
Supply Current Range [3]		2 to 20	mA	2 to 20	mA		
Compliance Voltage Range		+20 to +30	Volts	+20 to +30	Volts		
Output Impedance, Typ.		100	Ω	100	Ω		
Output Bias Voltage		+7 to +9	VDC	+7 to +9	VDC		
Discharge Time Constant		0.4 to 1.2	Sec	0.4 to 1.2	Sec		
Output Signal Polarity		Positive		Positive			
		This family also includes:					
Model	Sensitivity (mV/g)	Range (g's)	Time Constant (sec)	Noise, Resolution (grms)	Integral Cable Length (in)		
Please, refer to the performance specifications of the products in this family for detailed description							
Supplied Accessories:							
1) Accredited calibration certificate (ISO 17025)							
Notes:							
[1] Measure at 100Hz, 1 Grms per ISA RP 37.2							
[2] Measure using zero-based straight line method, % of F.S. or any lesser range.							
[3] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier.							
[4] Flat mounting surface for adhesive mount.							
[5] Typical. Not to exceed .010 Grms [.10 m/s ²].							
							
							
							
Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3032M9 for more information.							
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