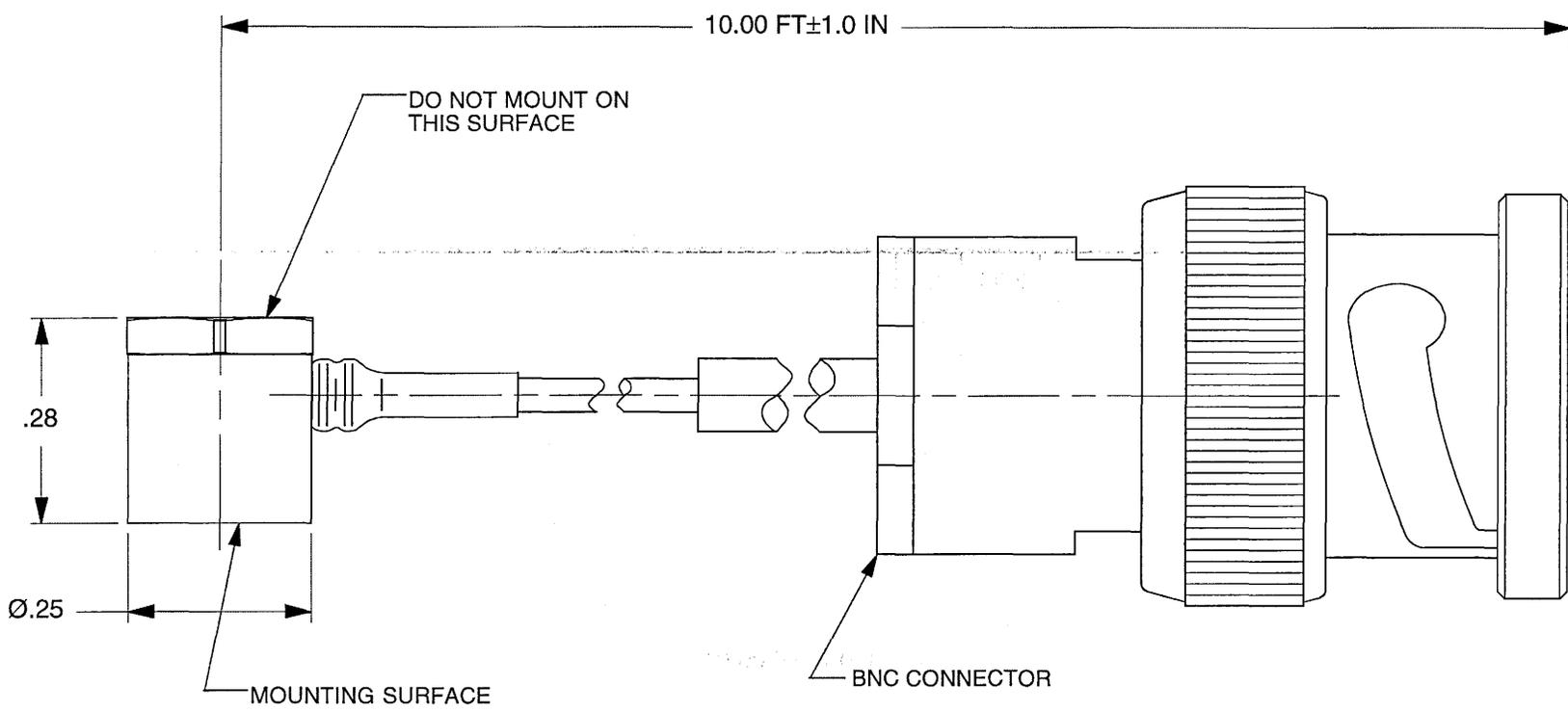
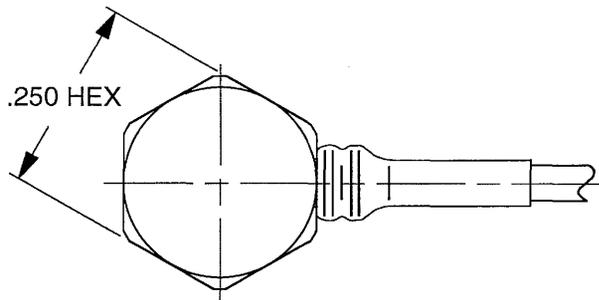


REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	5066	INITIAL RELEASE	RLA 2/19/08	<i>fd</i>	<i>91</i>



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

		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	<i>ces</i>		MAT'L
APPROVED	<i>C. Samp 2/25/8</i>		NEXT ASSEMBLY	USED ON	MODEL 3032M9
TITLE				OUTLINE DRAWING, MODEL 3032M9	
				DWG NO. 127-3032M9	
				SHEET 1 OF 1	



- **MINIATURE SIZE**
- **FULL LASER WELDED BODY**
- **EPOXY SEALED CABLE CONNECTION**

PHYSICAL

Weight, including cable		0.2	oz	6	grams
Size, accelerometer	Hex x Height	.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)

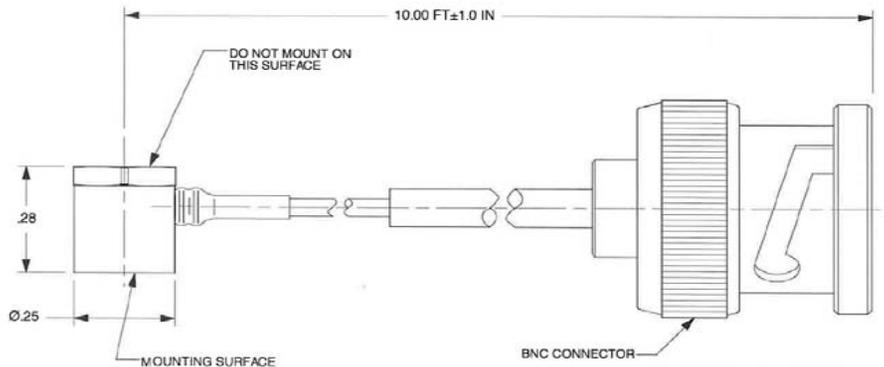
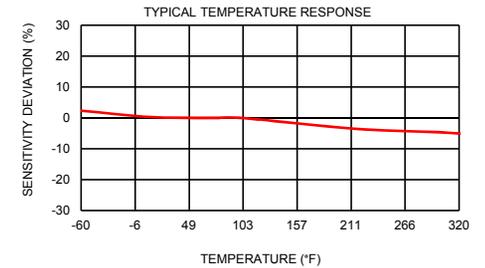
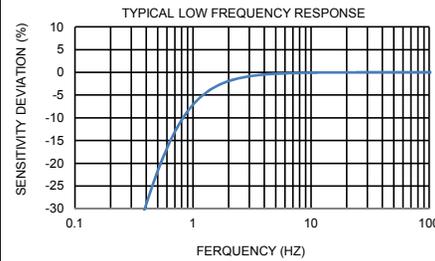
Please, refer to the performance specifications of the products in this family for detailed description

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/s²].



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3032M9 for more information.

