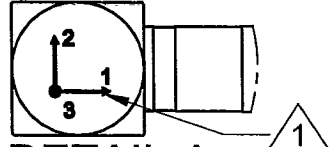


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REVISIONS

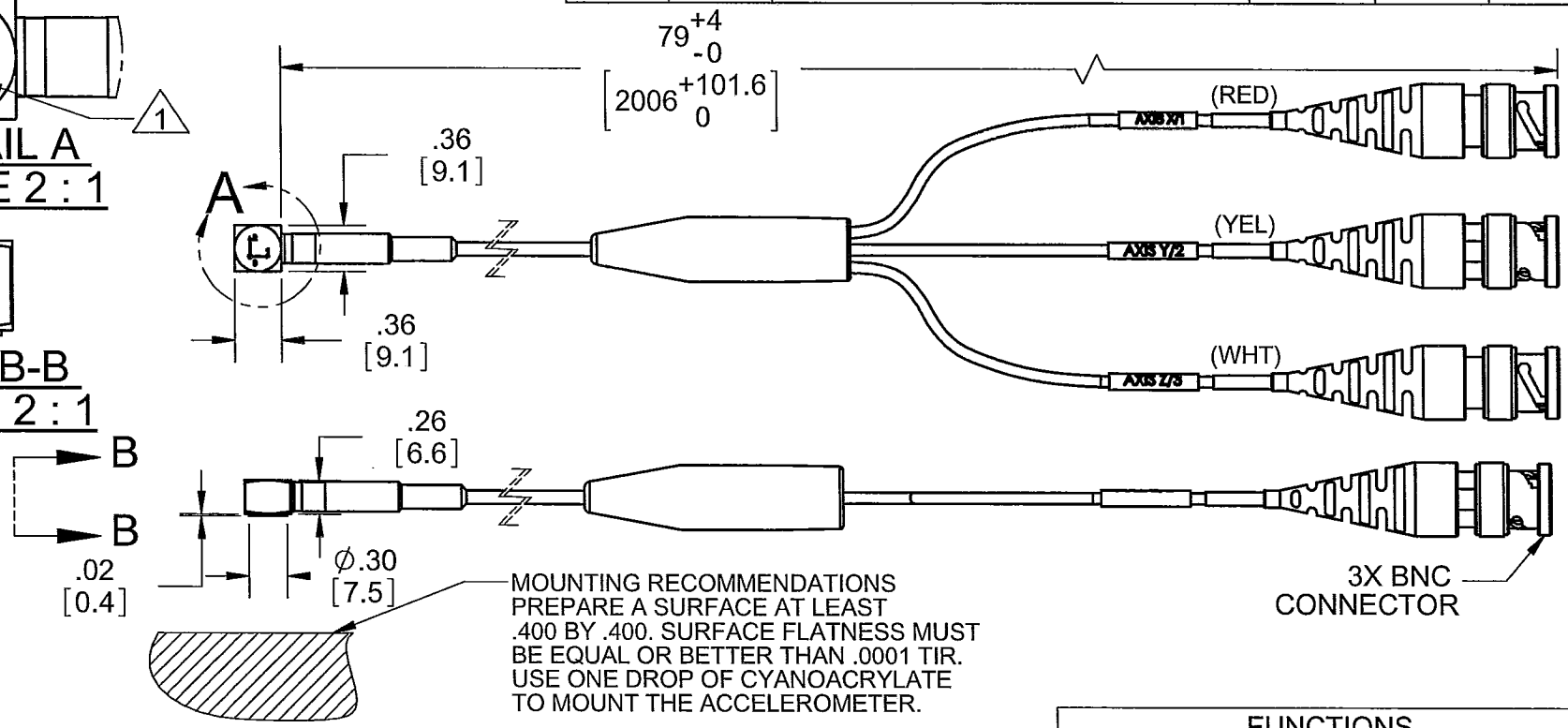
REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
B	10423	SEE ECN	AB 09/26/13	LN	RT



DETAIL A
SCALE 2 : 1



VIEW B-B
SCALE 2 : 1



3X BNC CONNECTOR

2. HOUSING MATERIAL: TITANIUM

△ ARROWS INDICATE DIRECTIONS OF ACCELERATION FOR POSITIVE OUTPUT.

NOTES: UNLESS OTHERWISE SPECIFIED.

FUNCTIONS	
AXIS X/1	SIG/PWR
AXIS X/2	SIG/PWR
AXIS X/3	SIG/PWR

UNLESS OTHERWISE SPECIFIED: INTERPRET DIM & TOL PER ASME Y14.5M - 1994. REMOVE BURRS. COUNTERSINK INTERNAL THDS 90° TO MAJOR DIA. CHAM EXT THDS 45° TO MINOR DIA. THD LENGTHS AND DEPTHS ARE FOR MIN FULL THDS. THDS PER MIL-S-7742. DIMENSIONS APPLY AFTER FINISHING.	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS TOLERANCES ARE: INCHES METRIC ANGLES .XX ± .03 .X ± 0.8 ± 1° .XXX ± .010 .XX ± 0.25
USED ON	NEXT ASSY
APPLICATION	
THIRD ANGLE PROJECTION USA	
ALL MACHINED SURFACES. ⁶³ TOTAL RUNOUT WITHIN .005. BREAK SHARP EDGES .005 TO .010. MACHINED FILLET RADII .005 TO .015. WELDING SYMBOLS PER AWS A2.4. ABBREVIATIONS PER MIL-STD-12.	

CONTRACT NO.	APPROVALS		DATE
	ORIG	JS	10/25/10
	CHK	DV	11/22/10
	APP	AS	11/22/10
	APP		
MATERIAL	DO NOT SCALE DRAWING		
FINISH			

MASTER COPY

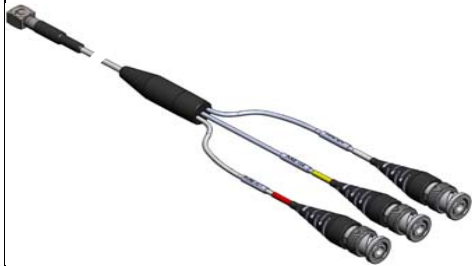
ONLY IF IN RED

TITLE: **OUTLINE INSTALLATION DRAWING
TRIAxIAL ACCELEROMETER, MODEL
3243M2**

SIZE	CAGE CODE	DWG. NO.	REV
A	2W033	127-3243M2	B

SCALE: NONE SOLIDWORKS SHEET 1 OF 1

Model Number 3243M2	PERFORMANCE SPECIFICATION	DOC NO PS3243M2
	TRIAxIAL IEPE PLANAR SHEAR ACCELEROMETER	REV B, ECN 11438, 10/30/14



- MINIATURE SIZE
- HERMETICALLY SEALED
- EXCELLENT LINEARITY

PHYSICAL

Weight, (Less Cable)
Cable, integral
Mounting Provision
Material : Housing/Connector
Element Style

Material
Type

ENGLISH		SI	
0.09	oz	2.5	grams
3 BNC Connectors		3 BNC Connectors	
Adhesive		Adhesive	
Titanium		Titanium	
Ceramic		Ceramic	
Planar Shear		Planar Shear	

PERFORMANCE

Sensitivity, - 10/ + 15% [1]
Range F.S for ± 5 Volts Output
Frequency Range, -5 / +15 %
Resonant Frequency, Nominal
Equivalent Electrical Noise Floor
Linearity [2]
Maximum Transverse sensitivity

10	mV/g	1.02	mV/m/s ²
±500	G's	±4905	m/s ²
0.8 to 10000	Hz	0.8 to 10000	Hz
40	kHz	40	kHz
0.007	Grms	0.069	m/s ² rms
± 1%	% F.S.	± 1%	% F.S.
5	%	5	%

ENVIRONMENTAL

Maximum Vibration
Maximum Shock
Temperature Range
Seal

±600	Gpeak	±5886	m/s ² peak
±5000	Gpeak	±49050	m/s ² peak
-60 to +250	°F	-51 to +121	°C
Hermetic		Hermetic	

ELECTRICAL

Supply Current Range [3]
Compliance Voltage Range
Output Impedence, Typ
Bias Voltage
Discharge Time Constant, Nom
Output Signal Polarity for Acceleration Towards Top

2 to 20	mA	2 to 20	mA
+ 18 to +30	Volts	+18 to +30	Volts
100	Ω	100	Ω
+7 to +9	VDC	+7 to +9	VDC
0.3 to 1.2	Sec	0.3 to 1.2	Sec
Positive		Positive	

This family also includes:

Model	Sensitivity (mV/g)	Range F.S ± 5 Volts (G's)	Max Vibration/Shock(± Gpeak)	Resonant Frequency (kHz)

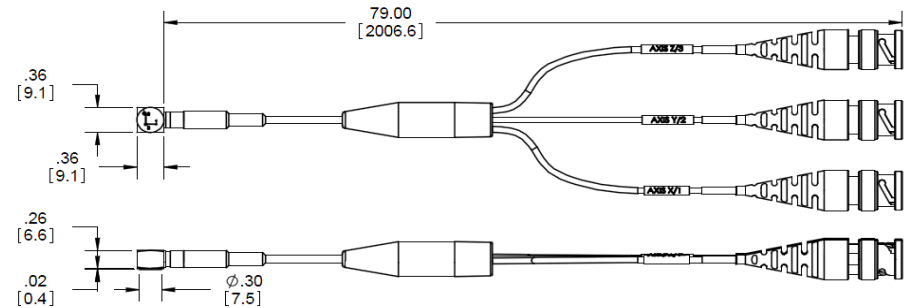
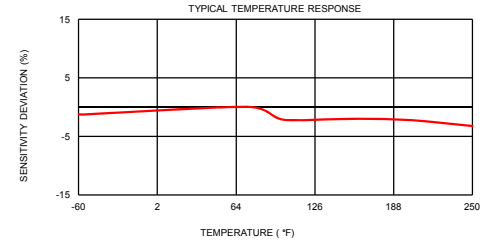
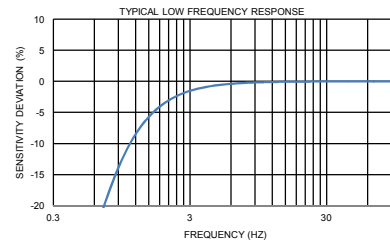
Refer to the performance specifications of the products in this family for detailed description

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



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3243M2 for more information.



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