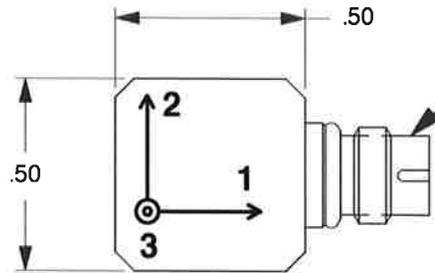
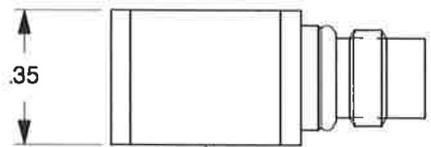


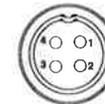
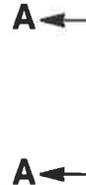
REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
B	12559	WEIGHT WAS: 6.0 GRAMS	LA 03/14/16	<i>fp</i>	<i>AS</i>



CONNECTOR MATES WITH DYTRAN CABLE 6430AXX



MOUNTING SURFACE



VIEW A-A LOOKING INTO CONNECTOR

**PINOUT**  
 PIN #1 SIG/PWR AXIS 1 (X)  
 PIN #2 SIG/PWR AXIS 2 (Y)  
 PIN #3 SIG/PWR AXIS 3 (Z)  
 PIN #4 GND RETURN, COMMON

- 4 WEIGHT: 6.2 GRAMS.
- 3 XX=LENGTH IN FEET.
- 2. + SIGNS INDICATE SENSE AND DIRECTION OF INPUT ACCELERATION FOR POSITIVE GOING OUTPUT SIGNAL.
- 1. HOUSING MATERIAL: TITANIUM ALLOY

**EXCEPT AS OTHERWISE NOTED**

ALL DIMENSIONS IN INCHES  
 TOLERANCE: XXX = ± .005    XX = ± .01

SURFACE FINISH EXCEPT AS NOTED ✓

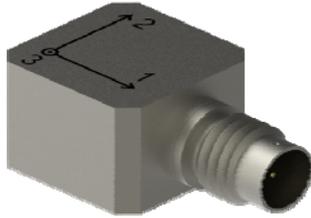
BREAK EDGES TO DEBURR RADIUS OR CHAMFER

△ THESE DIAS ⊙ TO T.I.R.

FILLETS -                      MAX RAD.

		<b>MASTER ONLY IF IN RED</b>		CHATSWORTH, CA.	
SCALE	2X	REV	-	DATE	-
DATE	8/11/00	PART NO.	MODEL 3053B		
DRAWN	N.C.	CHECKED	R.A.		
APPROVED		NEXT ASSEMBLY	USED ON	3053B	
TITLE				DWG NO.	
<b>OUTLINE/INSTALLATION DRAWING, MODEL 3053B</b>				<b>127-3053B</b>	
				SHEET 1 OF 1	

<b>MODEL NUMBER</b> <b>3053B</b>	<b>PERFORMANCE SPECIFICATION</b>	<b>DOC NO.</b> <b>PS3053B</b>
	<b>TRIAXIAL ACCELEROMETER, IEPE</b>	REV B, ECN 12559, 03/14/16



- ADHESIVE MOUNT
- HERMETICALLY SEALED
- INTERNALLY CASE GROUND ISOLATED

**PHYSICAL**

Weight  
Mounting Provision [1]  
Connector [2]  
Material

ENGLISH		SI	
0.22	oz	6.2	grams
Adhesive mount		Adhesive mount	
4-Pin		4-Pin	
Titanium Alloy		Titanium Alloy	

**PERFORMANCE**

Sensitivity, -10/+15% [3]  
Range F.S. (each axis)  
Frequency Response, ± 10%  
Resonant Frequency  
Equivalent Electrical Noise Floor  
Linearity [4]  
Transverse Sensitivity, Max.  
Signal Polarity

10	mV/g	1.02	mV/ m/s <sup>2</sup>
± 500	g	± 4900	m/s <sup>2</sup>
2 to 5000	Hz	2 to 5000	Hz
>30	kHz	>30	kHz
<0.007	g rms	<0.07	m/s <sup>2</sup> rms
± 1	%F.S	± 1	%F.S
5%		5%	
Positive for motion in direction of arrows on housing			

**ENVIRONMENTAL**

Maximum Vibration  
Maximum Shock  
Temperature Range  
Seal  
Coefficient Of Thermal Sensitivity

± 600	g	± 5880	m/s <sup>2</sup> pk
±5000	gpk	±49000	m/s <sup>2</sup> pk
-60 to +250	°F	-51 to 121	°C
Hermetic		Hermetic	
0.03	%/°F	0.054	%/°C

**ELECTRICAL**

Supply Current [5]  
Compliance Voltage Range  
Output Impedance Typ.  
Bias Voltage  
Discharge Time Constant  
Ground Isolation

2 to 20	mA	2 to 20	mA
+18 to +30	V	+18 to +30	V
100	Ω	100	Ω
9 to 11	VDC	9 to 11	VDC
0.3 to 1.0	sec	0.3 to 1.0	sec
>10	MΩ	>10	MΩ

**This family also includes:**

Model	Sensitivity (mV/g)	Range (Gpeak)	Resolution (Grms)	Oper. Temp(°F)	TC (sec)
3053B1	5	1000	<0.014	-60 to +250	0.2 - 1.2

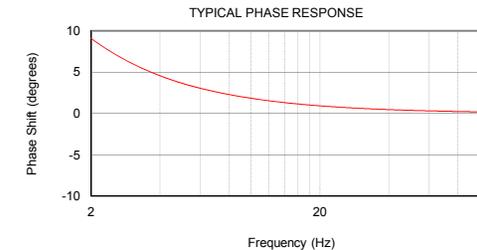
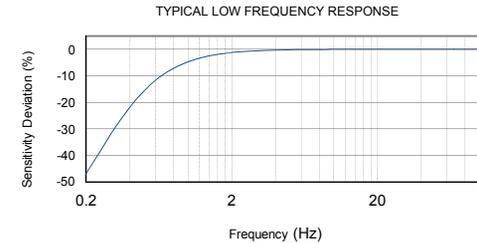
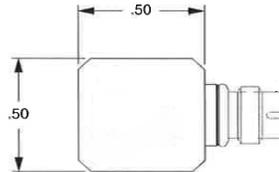
Refer to the performance specifications of the products in this family for detailed description.

**Supplied Accessories**

1)Accredited calibration certificate (ISO 17025)

**Notes:**

- [1] Case ground isolation is achieved by internal means.
- [2] Connector mates with Dytran cable assy. Model 6430AXX. (XX = length in feet)
- [3] Reference sensitivity measured at 100 Hz, 1 G RMS per ISA RP 37.2
- [4] Linearity is % of specified full scale (or any lesser full scale range), zero-based best fit straight line method.
- [5] Do not apply power to this device without current limiting, 20mA max, to do so will destroy the integral IC amplifier



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3053B for more information.



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