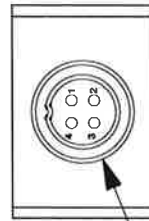
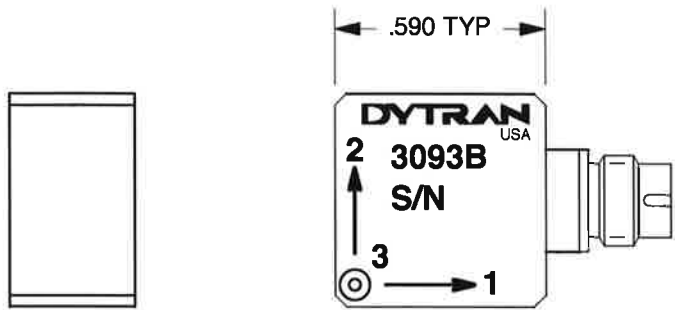
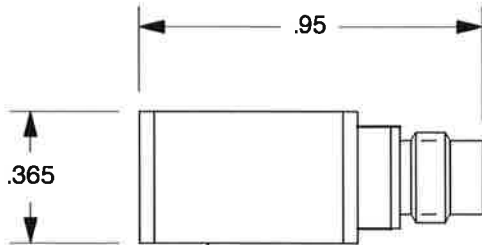


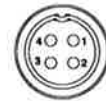
REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	12502	REVISE LOGO MARKING	RA 02/15/16	EM	LW



CONNECTOR MATES WITH DYTRAN CABLE 6430AXX



MOUNTING SURFACE



VIEW 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

- MATERIAL, HOUSING AND CONNECTOR SHELL: TITANIUM ALLOY.
- WEIGHT: 9.5 GMS.
- SIG/PWR GROUND IS ISOLATED FROM CASE, 10 MEGOHMS, MIN.
- ENVIRONMENTAL SEAL: HERMETIC.

**EXCEPT AS OTHERWISE NOTED**

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

SURFACE FINISH 63 ✓  
 EXCEPT AS NOTED

BREAK EDGES TO DEBURR .005 MAX  
 RADIUS OR CHAMFER

1 THESE DIAS ⊕ TO .002 T.I.R.

FILLETS - .003 MAX RAD.

		<b>MASTER ONLY IF IN RED</b>			
		CHATSWORTH, CA.			
SCALE	2X	REV	-	DATE	SEE REV BLK
DATE	8/11/00	PART NO.	MODEL 3093B		
DRAWN	N.C.	CHECKED	R.A.	MAT'L	
APPROVED	N.C.	8/11/00	NEXT ASSEMBLY	USED ON	3093B
TITLE				DWG NO.	
<b>OUTLINE/INSTALLATION DRAWING,          MODEL 3093B</b>				<b>127-3093B</b>	
				SHEET 1 OF 1	

<b>Model Number</b>	<b>PERFORMANCE SPECIFICATION</b>		<b>DOC NO</b>
3093B	<b>Accelerometer, Triaxial, IEPE</b>		PS3093B
			REV B, ECN 13435, 05/08/17



- **HIGH SENSITIVITY**
- **HERMETICALLY SEALED**

**PHYSICAL**

	ENGLISH		SI	
Weight	0.3	oz	9.5	grams
Mounting Provision	Adhesive		Adhesive	
Connector [1]	4-pin	Type	4-pin	
	Titanium Alloy	Material	Titanium Alloy	
Housing	Titanium Alloy	Material	Titanium Alloy	
	Case Isolated	Isolation	Case Isolated	
Sensing Element	Ceramic	Material	Ceramic	
	Shear	Mode	Shear	

**PERFORMANCE**

Sensitivity, +15/-10% [2]	100	mV/g	10.2	mV/m/s <sup>2</sup>
Acceleration Range	50	Gpeak	491	m/s <sup>2</sup> peak
Frequency Range, ±10%	.6-5000	Hz	.6-5000	Hz
Resonance Frequency	> 30	kHz	> 30	kHz
Linearity [3]	1	%F.S.	1	%F.S.
Transverse Sensitivity, Max.	6	%	6	%
Noise floor	0.0007	Grms	0.007	m/s <sup>2</sup> rms

**ELECTRICAL**

Supply Current Range [4]	2 to 20	mA	2 to 20	mA
Compliance Voltage Range	+18 to +30	VDC	+18 to +30	VDC
Output Impedance, Typ.	100	Ω	100	Ω
Output Bias Voltage	+11 to +13	VDC	+11 to +13	VDC
Discharge Time Constant	0.5 to 1.5	sec	0.5 to 1.5	sec
Electrical Isolation, Min.	10	GΩ	10	GΩ

**ENVIRONMENTAL**

Shock Max	7000	g pk	68670	m/s <sup>2</sup>
Vibration Max	3000	g pk	29430	m/s <sup>2</sup>
Operating Temperature	-60 to +225	°F	-51 to +107	°C
Seal	Hermetic		Hermetic	

**This family also includes:**

Model	Sensitivity (mV/g)	Range (Gpeak)	Resolution (Grms)	Oper. Temp(°F)	TC

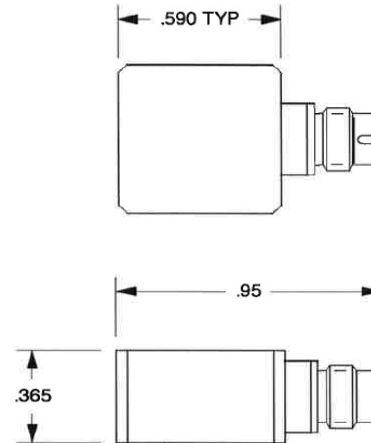
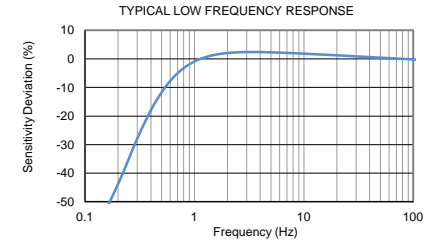
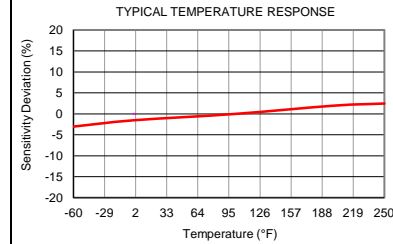
Refer to performance specifications of the products in this family for detailed description.

**Supplied Accessories:**

- 1) Accredited Calibration Certificate (ISO 17025)

**Notes:**

- [1] Glass to Metal seal connector. Mates with Dytran cable Model 6430AXX (XX=length in feet)
- [2] Measured At 100 Hz, 1 Grms per ISA RP 37.2
- [3] Linearity is % of specified full scale (or any less full-scale range), zero-based best fit straight line method.
- [4] 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 127-3093B for more information.



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