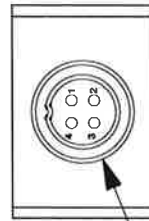
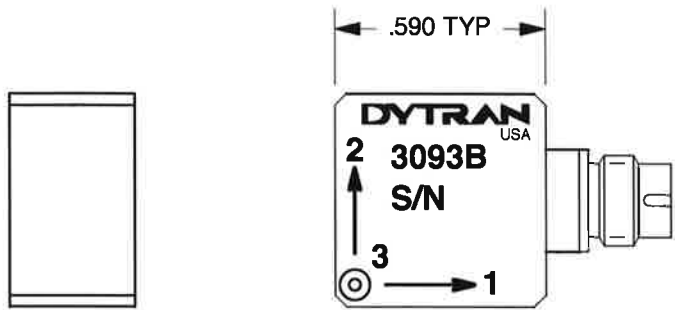
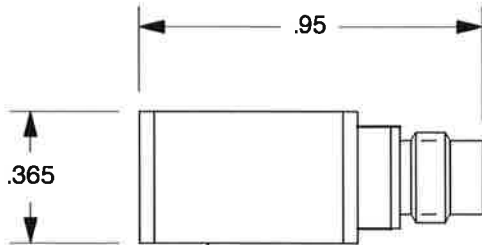


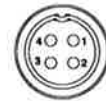
REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	12502	REVISE LOGO MARKING	RA 02/15/16	EM	LN



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.

		MASTER ONLY IF IN RED 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.	
OUTLINE/INSTALLATION DRAWING, MODEL 3093B				127-3093B	
				SHEET 1 OF 1	

Model Number	PERFORMANCE SPECIFICATION			DOC NO
3093B	Accelerometer, Triaxial, IEPE			PS3093B
				REV A, ECN 13104, 11/16/16



- HIGH SENSITIVITY
- HERMETICALLY SEALED

PHYSICAL

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

PERFORMANCE

Sensitivity, +15/-10% [2]	100	mV/g	10.2	mV/m/s ²
Acceleration Range	50	Gpeak	491	m/s ² 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.	5	%	5	%
Noise floor	0.0007	Grms	0.007	m/s ² 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

ENVIRONMENTAL

Shock Max	7000	g pk	68670	m/s ²
Vibration Max	3000	g pk	29430	m/s ²
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

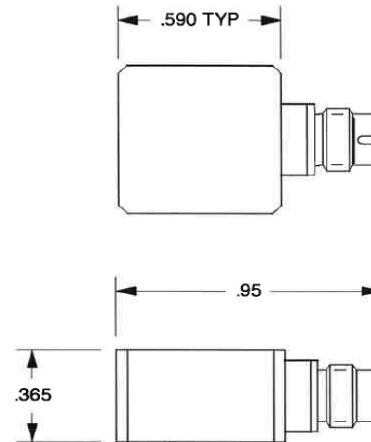
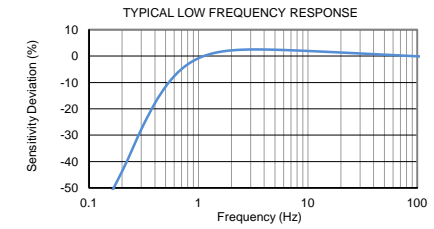
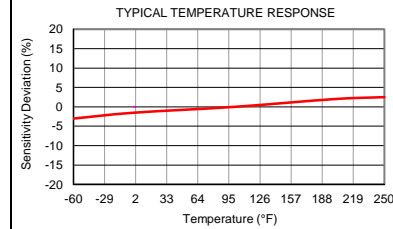
Refer to performance specifications of the products in this family for detailed description.

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.



21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax: 818.700.7880 www.dytran.com
For permission to reprint this content, please contact info@dytran.com