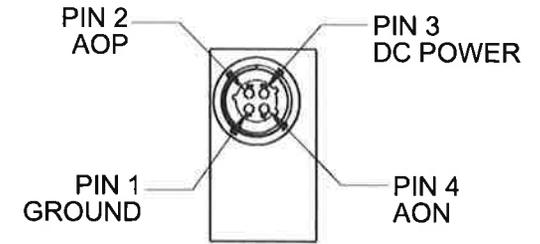
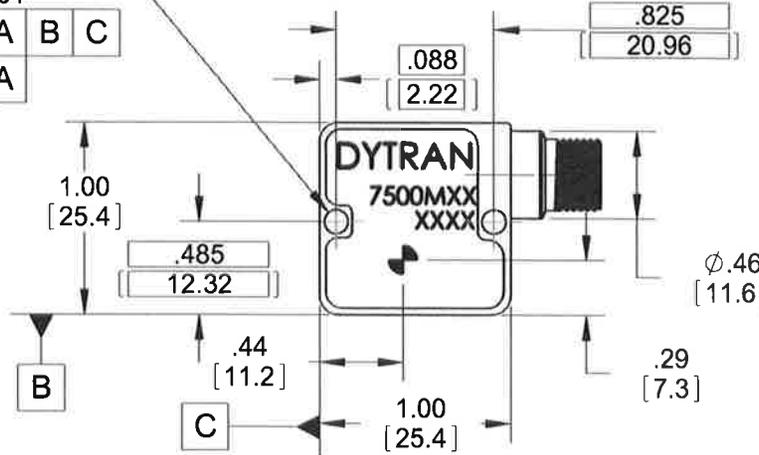
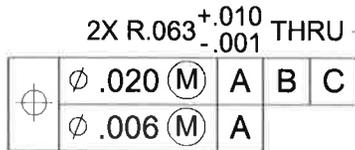


PROPRIETARY AND CONFIDENTIAL

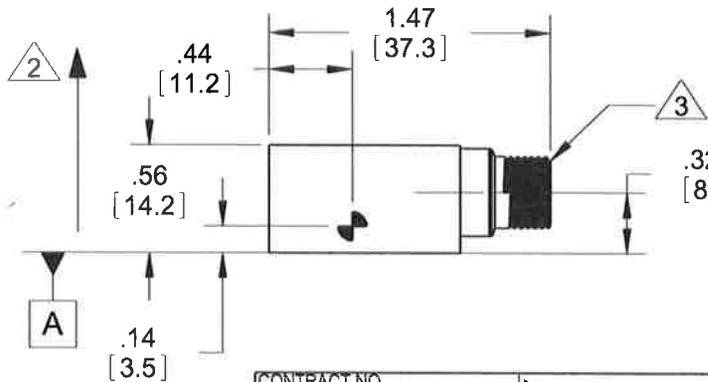
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REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
D	9192	ADDED GDT	AB 09/18/12	EP	DV
E	10755	REVISED TO REFLECT UPDATED HOUSING	JS 01/30/14	RA	DV
F	11049	SEE ECN	EC 06/06/14	JS	<i>[Signature]</i>



MODEL	SENSITIVITY
7500M10	40 mV/g
7500M11	5 mV/g



5. MOUNT TORQUE: 5-8 LB-IN

4 DELETED

3 MATES WITH GLENAIR PLUG 800-006-06Z16-4SX

2 ARROW INDICATES ACCELERATION DIRECTION FOR POSITIVE OUTPUT

1. WEIGHT: 45 GRAMS MAX

NOTES: UNLESS OTHERWISE SPECIFIED

7500M10, M11	USED ON	NEXT ASSY
APPLICATION		
THIRD ANGLE PROJECTION USA		

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

MATERIAL	
FINISH	
DO NOT SCALE DRAWING	

CONTRACT NO.



MASTER ONLY IF IN RED
Chatsworth, CA

TITLE:

OUTLINE/INSTALLATION, ACCELEROMETER, 7500M10, M11

APPROVALS		DATE
ORIG	DV	09/07/10
CHK	DV	10/27/10
APP	SA	10/29/10
APP	<i>[Signature]</i>	6/15/14

SIZE	CAGE CODE	DWG. NO.	REV
A	2W033	127-7500M10	F
SCALE: NONE		SOLIDWORKS	SHEET 1 OF 1



- VARIABLE CAPACITANCE ACCELEROMETER
- DIFFERENTIAL MODE
- HERMETICALLY SEALED
- DC RESPONSE

		ENGLISH		SI	
PHYSICAL					
Weight, Max		1.6	oz	45	grams
Connector	Type	4-PIN, 3/8-28UN-28		4-PIN, 3/8-28UN-28	
Mounting	Thru Holes	2 X Ø.13		2 X Ø.13	
Material		304L		304L	
PERFORMANCE					
Input Range		±400	g	±4806	m/s ²
Frequency Response (-3dB), ± 50Hz [1]		0-300		0-300	
Sensitivity Differential, ±10% [2]		5	mV/g	0.5	mV/m/s ²
Output Noise, Differential ,Typ		400	µ g rms/√ Hz	3,924	µ m/s ² /√ Hz
Non-Linearity, Max [4]		2	% Span	2	% Span
Transverse Sensitivity, Max		2	%	2	%
Scale Factor Calibration Error, Max		2	%	2	%
Zero Measured Output		±50	mV	±50	mV
ENVIRONMENTAL					
Maximum Mechanical Shock		5000	gpk	49050	m/s ² peak
Bias Temperature Shift ,Max [3]		56	(ppm of span)/°F	100	(ppm of span)/°C
Bias Calibration Error		1.5	% of span	1.5	% of span
Operating Temperature Range		-67 to +257		-55 to +125	
Scale Factor Temperature Shift [3]		-83 to +83		-150 to +150	
Seal		Hermetic		Hermetic	
ELECTRICAL					
Output Common Mode Voltage, TYP		2.45	VDC	2.45	VDC
Output Impedence,Nom		1	Ω	1	Ω
Operating Voltage		+9 to +32		+9 to +32	
Operating Current (AOP & AON open)		12 to 14		12 to 14	
Power Supply Rejection Ratio		>65		>65	

This family also includes:

Model	Input Range (g)	Frequency response (Hz)	Sensitivity Differential, ±10% (mV/g)	Max.Shock (gpk)	Noise Differential (µg rms/√Hz)
7500M10	± 50	0-300	40	5000	50

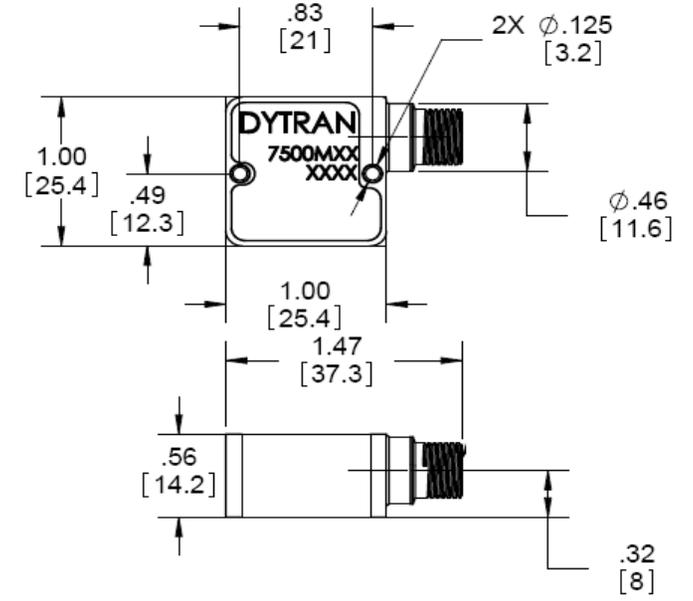
Refer to the performance specifications of the products in this family for detailed description.

Supplied Accessories:

- 1) Accredited calibration certificate (ISO 17025)
- 2) Two mounting screws model # 6935

Notes:

- [1] Low pass first order filter, corner frequency at 300Hz.
- [2] Single ended sensitivity is half of values shown.
- [3] Over the rated temperature range.
- [4] -90% to +90% of Full Scale.
- [5] In the interest of constant product improvement, we reserve the right to change specifications without notice.



Units on the line drawing are in inches, dimensions in brackets [] are in millimeters. Refer to 127-7500M10 for more information.

