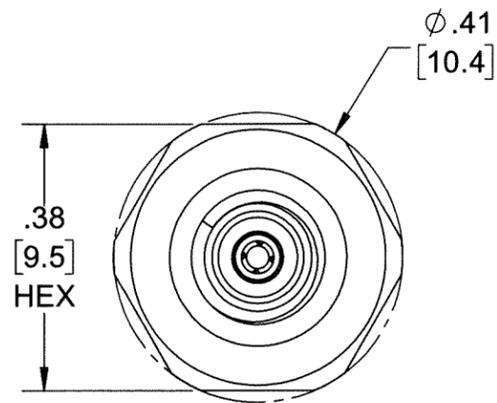


PROPRIETARY AND CONFIDENTIAL

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MODEL NO.	SENSITIVITY
3525A4	10 mV/g

REVISIONS					
REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	15127	INITIAL RELEASE	DA, 06/11/19	EP	W

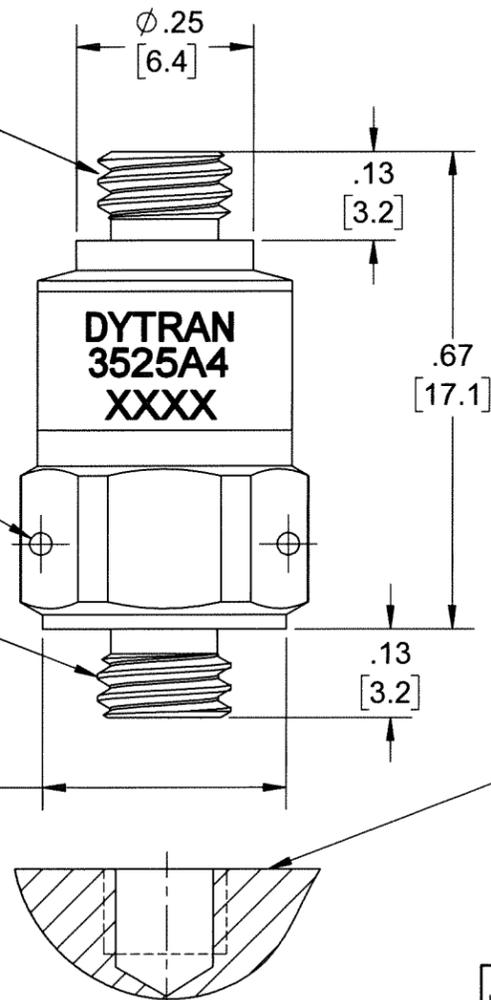


10-32 COAXIAL CONNECTOR

2X ϕ .031 [0.79] LOCKWIRE HOLES

10-32 UNF-2A

ϕ .35 [8.8]



MOUNTING RECOMMENDATIONS: PREPARE MOUNTING SURFACE FLAT TO .001 TIR. TAP 10-32 UNF-2B ∇ .20 MIN., RECOMMENDED MOUNTING TORQUE 15LB-IN +5/-0 LB-IN. FOR BEST FREQUENCY RESPONSE, MOUNTING SURFACE MUST CONTACT ENTIRE ACCELEROMETER MOUNTING SURFACE.

2. MATERIAL: STAINLESS STEEL

1. WEIGHT: 7.0 GRAMS MAX.

NOTES: UNLESS OTHERWISE SPECIFIED

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. DIMENSIONS APPLY AFTER FINISHING.

ALL MACHINED SURFACES \checkmark 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.

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS TOLERANCES ARE: DECIMALS METRIC ANGLES .XX \pm .03 X \pm 0.8 .XXX \pm .010 .XX \pm 0.25 \pm 1°

APPROVALS		DATE
ORIG	DA	05/28/19
CHK	EP	05/29/19
APP	DP	06/03/19
DO NOT SCALE DRAWING		THIRD ANGLE PROJECTION USA



TITLE: OUTLINE/INSTALLATION DRAWING, MODEL 3525A4			
SIZE B	CAGE CODE 2W033	DWG NO 127-3525A4	REV A
SCALE: 4:1		SHEET 1 OF 1	

MINIATURE IEPE ACCELEROMETER

REV B, ECN16639, 04/05/22



- HIGH OPERATING TEMPERATURE
- MINIATURE SIZE
- HERMETICALLY SEALED
- EXCELLENT LINEARITY

PHYSICAL

Weight	Top Mounted
Connector	Integral Stud
Mounting Provision	Housing and Connector
Material	Material
Sensing Element	Mode

ENGLISH		SI	
0.24	oz	6.8	grams
10-32 Micro Coax		10-32 Micro Coax	
10-32 (UNF-2A)		10-32 (UNF-2A)	
300 Series SS		300 Series SS	
Quartz		Quartz	
Compression		Compression	

PERFORMANCE

Sensitivity, ±15% [1]	
Range F.S for ± 5 Volts Output	
Frequency Response, ±5%	
Frequency Response, ±10%	
Resonant Frequency, Nom	
Equivalent Electrical Noise Floor	
Linearity [2]	
Maximum Transverse Sensitivity	
Strain Sensitivity @ 250µε	

10	mV/g	1	mV/m/s ²
±500	g	±4905	m/s ²
0.97 to 8000	Hz	0.97 to 8000	Hz
0.66 to 10000	Hz	0.66 to 10000	Hz
> 30	kHz	> 30	kHz
0.007	Grms	0.07	m/s ² rms
± 1%	% F.S.	± 1%	% F.S.
5	%	5	%
0.003	g/µε	0.03	m/s ² /µε

ENVIRONMENTAL

Maximum Vibration	
Maximum Shock	
Temperature Range	
Seal, Hermetic	

±1000	Gpeak	±9810	m/s ² peak
±3000	Gpeak	±29430	m/s ² peak
-148 to +392	*F	-100 to 200	*C
Welded/Glass To Metal		Welded/Glass To Metal	

ELECTRICAL

Supply Current Range [3]	
Compliance Voltage Range	
Output Impedence, Typ	
Bias Voltage	
Discharge Time Constant	

2 to 20	mA	2 to 20	mA
+18 to +30	Volts	+18 to +30	Volts
100	Ω	100	Ω
+7.5 to +11.5	VDC	+7.5 to +11.5	VDC
0.5 to 0.7	Sec	0.5 to 0.7	Sec

This family also includes:

Model	Sensitivity (mV/g)	Frequency Response (Hz)	Time Constant (Sec)	Operating Temp (*F)

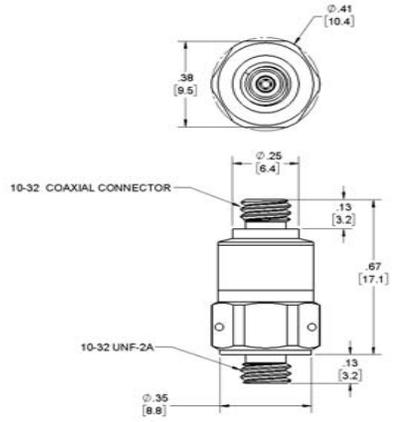
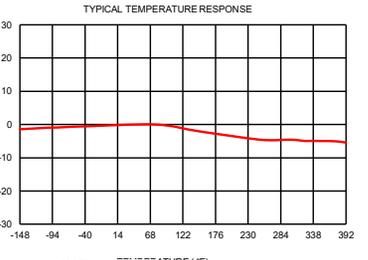
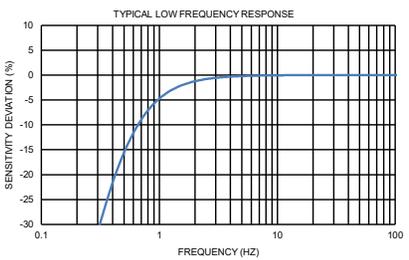
Please refer to the performance specifications of the products in this family for detailed description

Supplied Accessories:

- 1) Accredited calibration certificate (ISO 17025)

Notes:

- [1] Measure at 100Hz, 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.
- [4] All specifications are at room temperature unless otherwise specified.
- [5] In the interest of constant product improvement, we reserve the right to change specifications without notice. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.



Units on the line drawing are in inches. Refer to 127-3525A4 for more information.

