

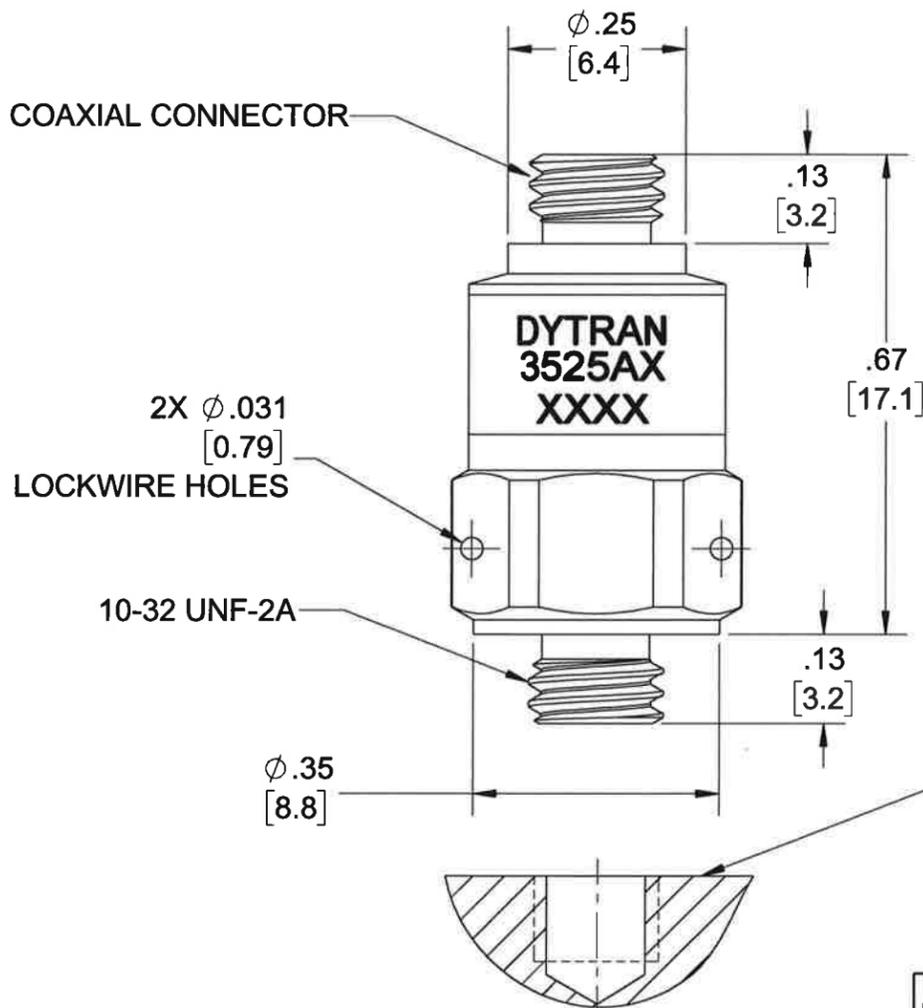
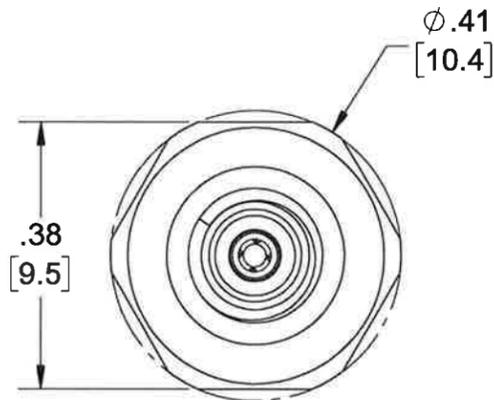
PROPRIETARY AND CONFIDENTIAL

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MODEL NO.	SENSITIVITY
3525A3	10 mV/g

REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	11765	INITIAL RELEASE. REMOVED 3525A1, 3525A2 FROM VARIATION TABLE	KG 03/27/18	<i>KG</i>	<i>W</i>



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.

DECIMALS		METRIC		ANGLES
.XX ±.03		.X ±0.8		±1°
.XXX ±.010		.XX ±0.25		

APPROVALS		DATE
ORIG	LA	04/08/15
CHK	<i>KG</i>	3/28/18
APP	<i>W</i>	3/30/18

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION USA

DYTRAN INSTRUMENTS, INC. Chatsworth, CA

MASTER COPY IN RED

TITLE: **OUTLINE/INSTALLATION DRAWING, MODEL 3525A**

SIZE	CAGE CODE	DWG NO	REV
B	2W033	127-3525A	A

SCALE: 4:1

SHEET 1 OF 1

Model Number 3525A3	PERFORMANCE SPECIFICATION	DOC NO PS3525A3
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MINIATURE IEPE ACCELEROMETER

REV A, ECN 11765, 03/27/18



- 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]	10	mV/g	1	mV/m/s ²
Range F.S for ± 5 Volts Output	±500	g	±4905	m/s ²
Frequency Response, ±5%	5 to 10000	Hz	5 to 10000	Hz
Resonant Frequency, Nom	> 30	kHz	> 30	kHz
Equivalent Electrical Noise Floor	0.007	Grms	0.07	m/s ² rms
Linearity [2]	± 1%	% F.S.	± 1%	% F.S.
Maximum Transverse Sensitivity	5	%	5	%
Strain Sensitivity @ 250µε	0.003	g/µε	0.03	m/s ² /µε

ENVIRONMENTAL

Maximum Vibration	±1000	Gpeak	±9810	m/s ² peak
Maximum Shock	±3000	Gpeak	±29430	m/s ² peak
Temperature Range	-148 to +392	*F	-100 to 200	*C
Seal, Hermetic	Welded/Glass To Metal			

ELECTRICAL

Supply Current Range [3]	2 to 20	mA	2 to 20	mA
Compliance Voltage Range	+18 to +30	Volts	+18 to +30	Volts
Output Impedence, Typ	100	Ω	100	Ω
Bias Voltage	+7.5 to +11.5	VDC	+7.5 to +11.5	VDC
Discharge Time Constant	0.1 to 0.3	Sec	0.1 to 0.3	Sec

This family also includes:

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

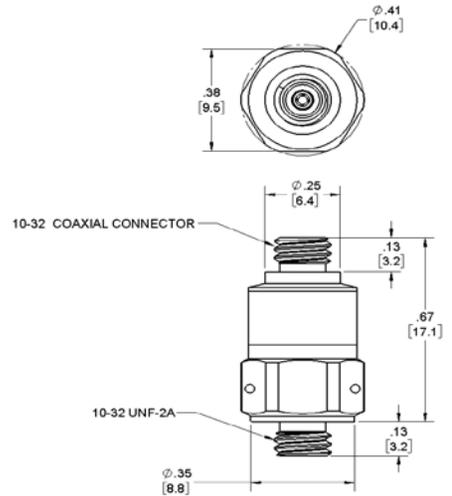
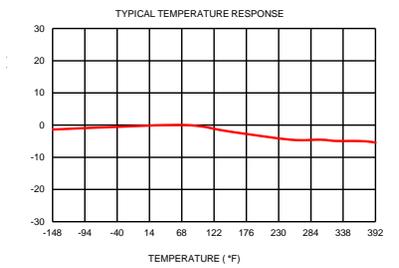
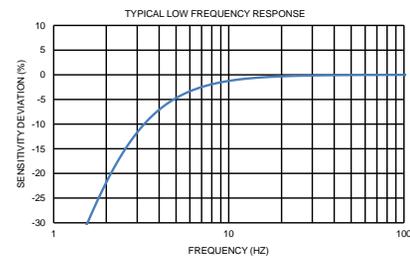
Please refer to the performance specifications of the products in this family for detailed description

Supplied Accessories:

- Accredited calibration certificate (ISO 17025)

Notes:

- Measure at 100Hz, 1 Grms per ISA RP 37.2
- Measure using zero-based straight line method, % of F.S. or any lesser range.
- Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier.
- In the interest of constant product improvement, we reserve the right to change specifications without notice.



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



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