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DWG NO 127-3525A4 SH 1 REV A

PROPRIETARY AND CONFIDENTIAL	
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MODEL NO.	SENSITIVITY
3525A4	10 mV/g

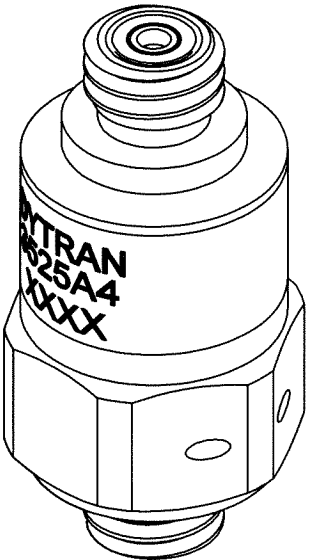
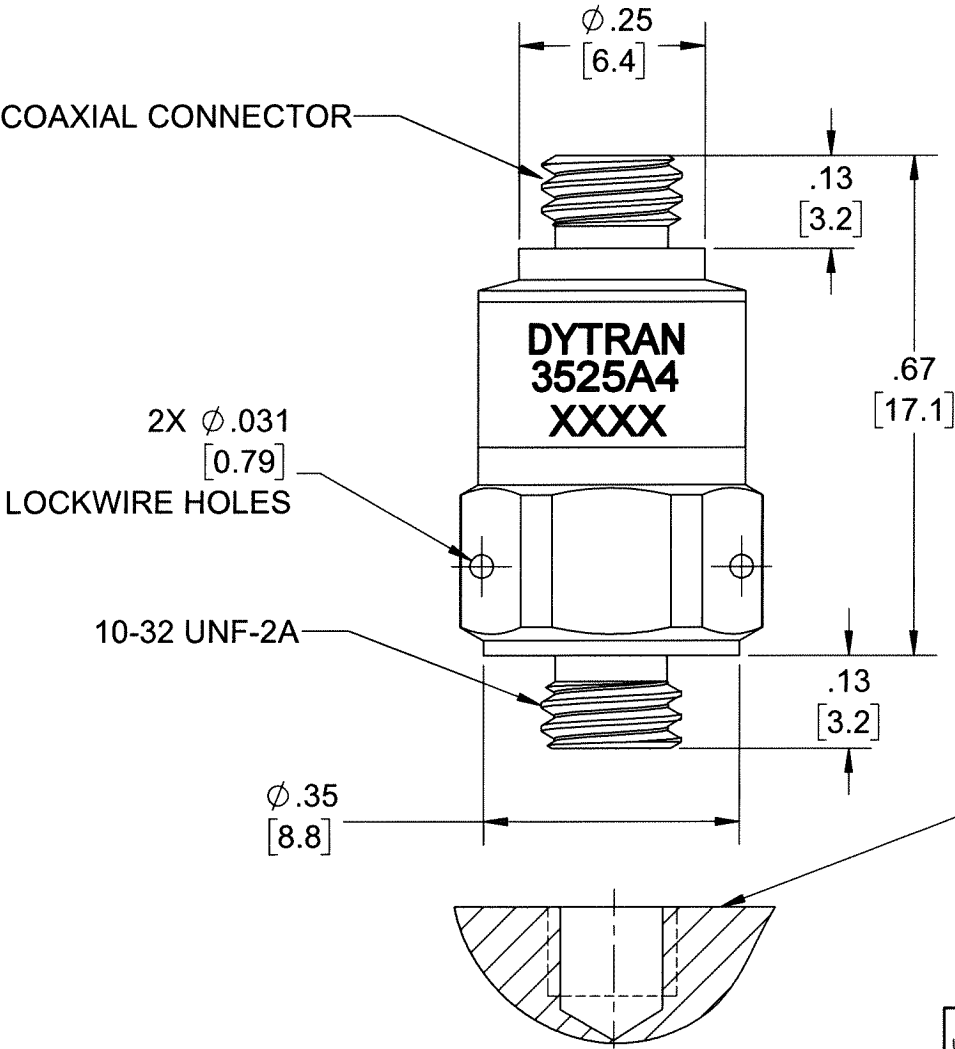
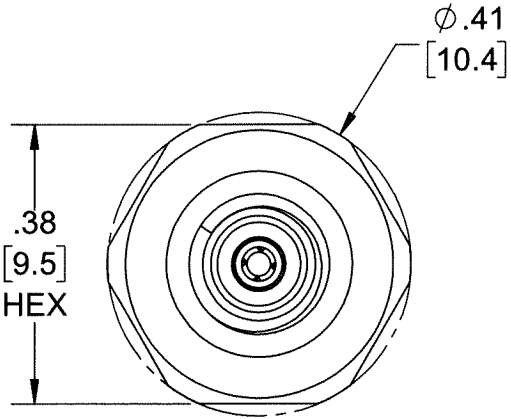
REVISIONS					
REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	15127	INITIAL RELEASE	DA, 06/11/19		

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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.		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS TOLERANCES ARE: DECIMALS METRIC .XX ± .03 .X ± 0.8 .XXX ± .010 .XX ± 0.25 ANGLES ± 1°		 MASTER ONLY IF IN RED Chatsworth, CA	
ALL MACHINED SURFACES $\sqrt{63}$ 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.		APPROVALS DATE		TITLE: OUTLINE/INSTALLATION DRAWING, MODEL 3525A4	
DO NOT SCALE DRAWING		ORIG	DA	05/28/19	SIZE B
		CHK	EP	05/29/19	
		APP	DP	06/03/19	
		THIRD ANGLE PROJECTION USA		SCALE: 4:1	CAGE CODE 2W033
				DWG NO 127-3525A4	REV A
				SHEET 1 OF 1	

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Model Number 3525A4	PERFORMANCE SPECIFICATION				DOC NO PS3525A4
	MINIATURE IEPE ACCELEROMETER				REV B, ECN16639, 04/05/22
	<ul style="list-style-type: none"> • HIGH OPERATING TEMPERATURE • MINIATURE SIZE • HERMETICALLY SEALED • EXCELLENT LINEARITY 				
PHYSICAL					
Weight	Top Mounted Integral Stud Housing and Connector Material Sensing Element Material Mode	0.24	oz	6.8	grams
Connector		10-32 Micro Coax		10-32 Micro Coax	
Mounting Provision		10-32 (UNF-2A)		10-32 (UNF-2A)	
Material		300 Series SS		300 Series SS	
Sensing Element	Material	Quartz		Quartz	
Mode		Compression		Compression	
PERFORMANCE					
Sensitivity, $\pm 15\%$ [1]		10	mV/g	1	mV/m/s^2
Range F.S for ± 5 Volts Output		± 500	g	± 4905	m/s^2
Frequency Response, $\pm 5\%$		0.97 to 8000	Hz	0.97 to 8000	Hz
Frequency Response, $\pm 10\%$		0.66 to 10000	Hz	0.66 to 10000	Hz
Resonant Frequency, Nom		> 30	kHz	> 30	kHz
Equivalent Electrical Noise Floor		0.007	Grms	0.07	$\text{m/s}^2 \text{ rms}$
Linearity [2]		$\pm 1\%$	% F.S.	$\pm 1\%$	% F.S.
Maximum Transverse Sensitivity		5	%	5	%
Strain Sensitivity @ 250 $\mu\epsilon$		0.003	$\text{g}/\mu\epsilon$	0.03	$\text{m/s}^2/\mu\epsilon$
ENVIRONMENTAL					
Maximum Vibration		± 1000	Gpeak	± 9810	$\text{m/s}^2 \text{ peak}$
Maximum Shock		± 3000	Gpeak	± 29430	$\text{m/s}^2 \text{ peak}$
Temperature Range		-148 to +392	°F	-100 to 200	°C
Seal, Hermetic		Welded/Glass To Metal		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		0.5 to 0.7	Sec	0.5 to 0.7	Sec
					
21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax: 818.698.0362 www.dytran.com For permission to reprint this content, please contact info@dytran.com					

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

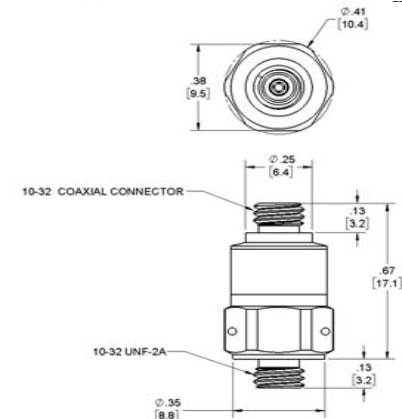
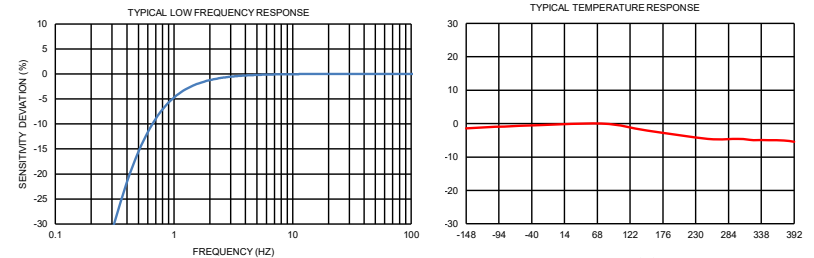
[2] Measure using zero-based straight line method, % of F.S. or any lesser range.

[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.