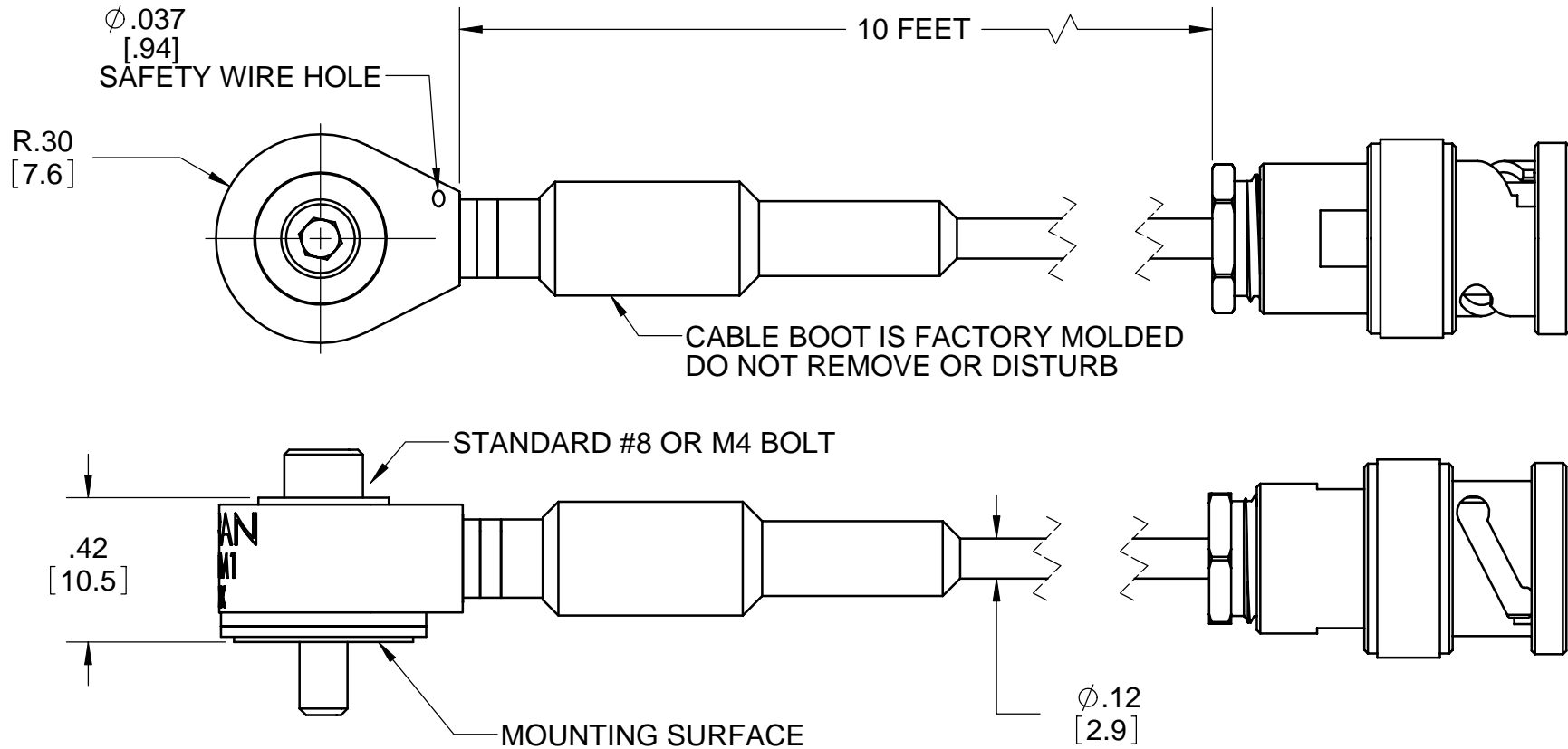


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REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
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2. MOLDED BOOT MATERIAL: URETHANE

1. CABLE JACKET MATERIAL: URETHANE

DRILL HOLE SIZE	TOLERANCE	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.
.0135 THRU .125	+.004 / -.001	
.1260 THRU .250	+.005 / -.001	
.2510 THRU .500	+.006 / -.001	
.5010 THRU .750	+.008 / -.001	
.7510 THRU 1.000	+.010 / -.001	
1.001 THRU 2.000	+.012 / -.001	

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES ARE:	
DECIMALS .XX ± .010 .XXX ± .005	ANGLES ± 1°
MATERIAL <b>ERROR!!MATERIAL</b>	
FINISH	
DO NOT SCALE DRAWING	

CONTRACT NO.



TITLE:

OUTLINE DRAWING

APPROVALS		DATE
ORIG	PML	5/30/07
CHK		
APP		
APP		

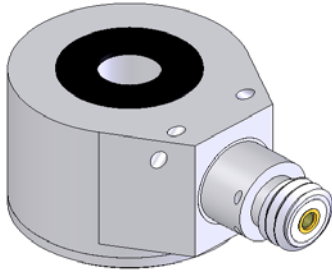
SIZE	CAGE CODE	DWG. NO.	REV
A	2W033	127-3211M1	3
SCALE: 2:1		SOLIDWORKS	SHEET 1 OF 1

# PERFORMANCE SPECIFICATION

ENGLISH VERSION

DYTRAN **3211A1**

Rev A ECN 4953 12/1/2007  
Rev B ECN 6981 09/02/2010



## ACCELEROMETER, SINGLE AXIS IEPE

### PHYSICAL

		units	minimum	typical	maximum
Weight		grams		9.6	
Size	Diameter	inch		0.6	
	Height	inch		0.42	
Mounting	Thru hole		accommodates standard 8-32 or M4 bolt		
Connector	Type			coaxial	
	Thread			10-32	
	Location			side	
Housing	Material			titanium alloy	
	Isolation		case connected to signal ground and isolated from mounting surface by integral isolation washers		
Sensing Element	Material			ceramic	
	Mode			shear	

### PERFORMANCE

Sensitivity at 4mA		mV/g	9.5	10	10.5
Measurement Range		±gpk		500	
Frequency Range, ±5%		Hz	1		10000
Resonance Frequency		kHz		>31	
Equivalent Noise	1Hz to 10kHz	g rms		0.0005	
Sensitivity vs Current	2mA to 10mA	%			1
Transverse Sensitivity		%			5
Polarity	see outline drawing			positive	

### ENVIRONMENTAL

Shock		g pk			5000
Operating Temperature		°F	-67		250
Seal				hermetic	
Coefficient of Thermal Sensitivity		%/°F		0.06	
Magnetic Sensitivity at 100 Gauss		g/Gauss		0.004	
Thermal Shock Sensitivity		g/°F		0.02	
Base Strain Sensitivity		g/με		0.04	
Stray Voltage Sensitivity	10V applied to mounting surface	equiv. g			0.004

### ELECTRICAL

Supply Current		mA	2		20
Compliance Voltage		Vdc	18		30
Output Bias	Room Temp	Vdc	11		13.5
	Operating Temp	Vdc	8		16
Output Impedance		Ω		120	
Discharge Time Constant		sec		0.5	
Warmup Time		sec		2	

### ACCESSORIES SUPPLIED

- (1) 6595, 8-32 mounting screw
- (1) 6597, M4 x .7 mounting screw