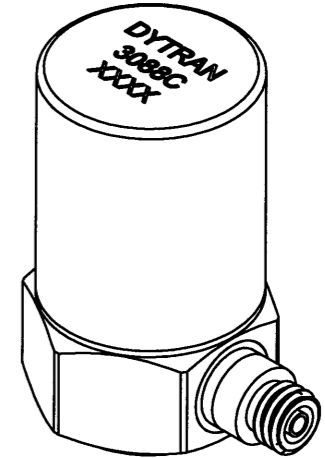
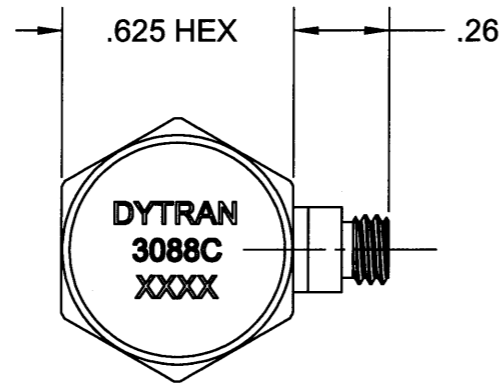


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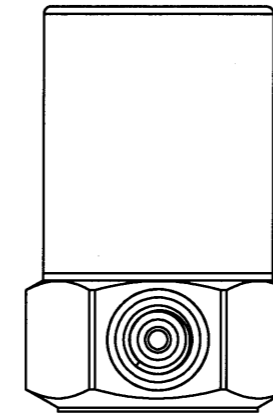
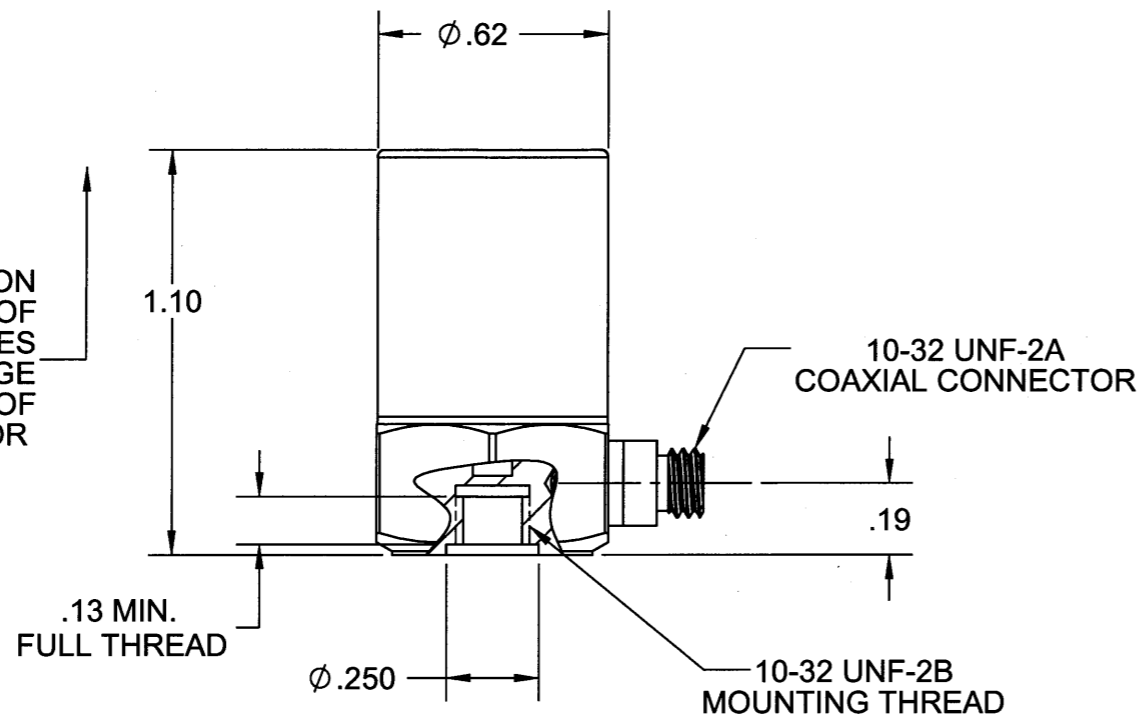
REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	4658	INITIAL RELEASE	RLA, 9/25/07	CEG	AML

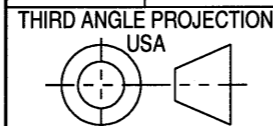


ISOMETRIC VIEW

ACCELERATION IN DIRECTION OF ARROW PRODUCES POSITIVE (+) CHARGE ON CENTER PIN OF CONNECTOR



DRILL HOLE SIZE	TOLERANCE
.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:
 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

ALL MACHINED SURFACES, 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.
 TOLERANCES ARE:
 DECIMALS .XX ± .010
 .XXX ± .005
 ANGLES ± 1°

CONTRACT NO.

APPROVALS DATE

ORIG RA 3/19/2007

CHK CEG 10.31.07

APP AML 10/25/07

APP

MATERIAL:

FINISH:

DO NOT SCALE DRAWING

DYTRAN INSTRUMENTS, INC. **MASTER COPY** **ONLY IF IN RED**

TITLE: **OUTLINE DRAWING, MODEL 3088C**

SIZE B	CAGE CODE 2W033	DWG NO 127-3088C	REV A
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SCALE: 1:1 SOLIDWORKS SHEET 1 of 1



SPECIFICATIONS, MODEL 3088C CHARGE MODE ACCELEROMETER

SPECIFICATION	VALUE	UNITS
PHYSICAL		
WEIGHT	42	GRAMS
SIZE , HEX x HEIGHT	.625 x 1.07	INCHES
MOUNTING PROVISION	10-32 STUD	
CONNECTOR, SIDE MOUNTED	10-32 COAXIAL	
CASE /CONNECTOR MATERIAL	STAINLESS STEEL	
PERFORMANCE		
SENSITIVITY, +3%/- 0%.	10	pC/g
FREQUENCY RESPONSE, +/- 5% [1]	to 5000	Hz
MOUNTED RESONANT FREQUENCY	>30	kHz
AMPLITUDE NON-LINEARITY (ZERO BASED BEST FIT ST.LINE METHOD)	2.0	% F.S., MAX.
TRANSVERSE SENSITIVITY, MAX.	6	%
STRAIN SENSITIVITY	.06	g's PER $\mu\epsilon$ @ 250/ $\mu\epsilon$
INSULATION RESISTANCE (300°F)	>5	G Ω
(500°F)	>200	M Ω
(600°F)	>2	M Ω
ENVIRONMENTAL		
MAXIMUM VIBRATION	± 1000	G _{peak}
MAXIMUM SHOCK	3000	G _{peak}
TEMPERATURE RANGE	-65 TO +600	°F
THERMAL SENSITIVITY COEFFICIENT	<.018	%/°F
SEAL	WELDED/CERAMIC TO METAL HERMETIC	
ELECTRICAL		
CAPACITANCE, NOM.	370	pF
OUTPUT SIGNAL POLARITY FOR ACCELERATION TOWARD TOP	SEE INSTALLATION DRAWING	

NOTES:

[1] LOW FREQUENCY RESPONSE IS A FUNCTION OF THE CHARGE AMPLIFIER DISCHARGE TIME CONSTANT.

SUPPLIED ACCESSORIES:

(1) MOUNTING STUD, MODEL 6200 (10-32 TO 10-32).