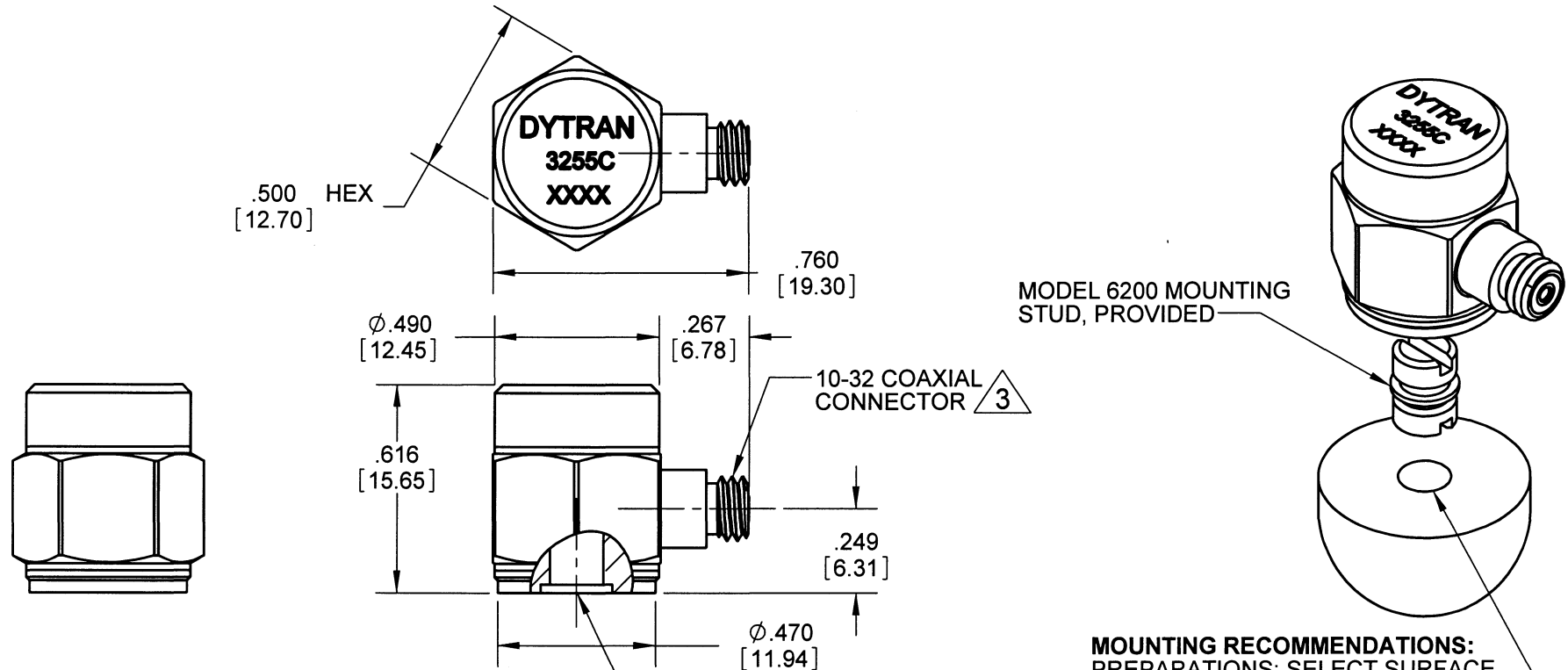


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REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
B	6230	SEE ECN	JS 09/10/09	RA	AWS



MOUNTING RECOMMENDATIONS:
 PREPARATIONS: SELECT SURFACE FLAT TO .001 TIR TAP
 10-32 UNF-2B X .200 MIN THD DEPTH.
 RECOMMENDED TORQUE: 10-12 LB-IN

- 3 MATES WITH 6013AXX, 6019AXX
 - 2. MATERIAL: TITANIUM
 - 1. WEIGHT: 10 GRAMS APPROXIMATELY
- NOTES: UNLESS OTHERWISE SPECIFIED.

3255C	NEXT ASSY
APPLICATION	
THIRD ANGLE PROJECTION USA	

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. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS
 TOLERANCES ARE:
 INCHES METRIC ANGLES
 .XX ± .03 .X ± 0.8 ± 1°
 .XXX ± 0.10 .XX ± 0.25

MATERIAL

FINISH

DO NOT SCALE DRAWING

CONTRACT NO.	
APPROVALS	DATE
ORIG RA	01/05/09
CHK JS	01/07/09
APP DV	01/07/09
APP	

DYTRAN INSTRUMENTS, INC. **MASTER ONLY IF IN RED** Chatsworth, CA

TITLE: **OUTLINE/INSTALLATION, DRAWING, 3255C**

SIZE A	CAGE CODE 2W033	DWG. NO. 127-3255C	REV B
SCALE: 2:1	SOLIDWORKS	SHEET 1 OF 1	

MODEL NUMBER 3255C	PERFORMANCE SPECIFICATION	DOC NO. PS3255C
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Accelerometer, Charge Mode

REV A, ECN 5676, 12/22/08



- **HERMETICALLY SEALED**
- **HIGH CHARGE OUTPUT**
- **ROBUST DESIGN**

	ENGLISH		SI	
Weight	0.35	oz	10.0	grams
Mounting Internal Thread	10-32 UNF-2B		10-32 UNF-2B	
Connector [1]	Coaxial		Coaxial	
Housing	Titanium		Titanium	
	Titanium		Titanium	
Isolation	Case Grounded		Case Grounded	
Sensing Element	Ceramic		Ceramic	
	Shear		Shear	

PHYSICAL

Weight
Mounting Internal Thread
Connector [1]

Housing

Sensing Element

Type
Material
Material
Isolation
Material
Mode

PERFORMANCE

Sensitivity, ± 15% [2]
Acceleration Range [3]
Frequency Range
Resonance Frequency
Linearity [4]
Transverse Sensitivity Max

15	pC/g	1.53	pC/m/s ²
[3]	gpeak	[3]	m/s ² peak
[5]-5000	Hz	[5]-5000	Hz
32	kHz	32	kHz
±1	%	±1	%
5	%	5	%

ENVIRONMENTAL

Shock Max
Vibration Max
Operating Temperature
Seal
Magnetic Sensitivity at 100 Gauss
Base Strain Sensitivity

3000	g pk	29430	m/s ²
600	g pk	5886	m/s ²
-60 to +375	°F	-51 to +190	°C
Hermetic		Hermetic	
0.00007	g/Gauss	0.0006867	m/s ² /Gauss
0.05	g/µε	0.4905	m/s ² /µε

ELECTRICAL

Capacitance, nom

975	pF	975	pF
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This family also includes:

Model	Sensitivity (pC/g)	Range (Gpeak)	Resolution (Grms)	Oper. Temp(°F)

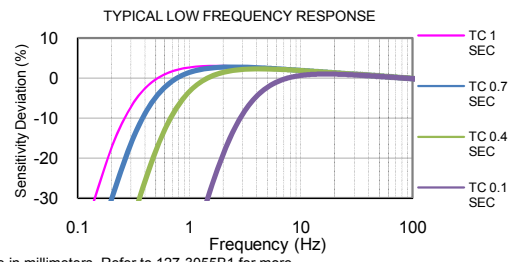
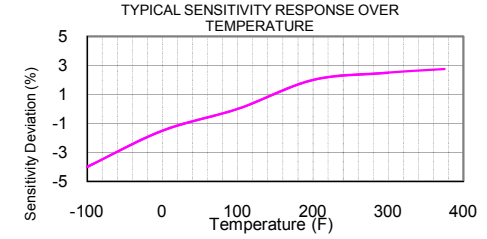
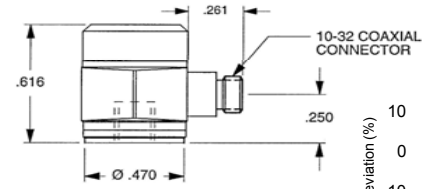
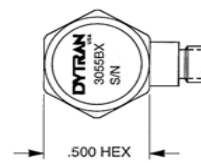
Please, refer to the performance specifications of the products in this family for detailed description

Supplied Accessories:

- 1) Model 6200 Mounting Stud
- 2) Accredited Calibration Certificate (ISO 17025)

Notes:

- [1] Mates with Dytran cable Model 6013AXX or 6019AXX(XX= Length in feet).
- [2] Measured At 100 Hz, 1 Grms per ISA RP 37.2
- [3] Depends On the Gain Setting Of The Charge Amplifier Used
- [4] Measured using zero-based best straight line method, % of F.S. or any lesser calibrated range.
- [5] Low Frequency Response Is the Function Of the Discharge Time Constant Of The Charge Amplifier Used. Please, Refer To The Plot Below For Frequency Response For Different Time Constants



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3055B1 for more



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