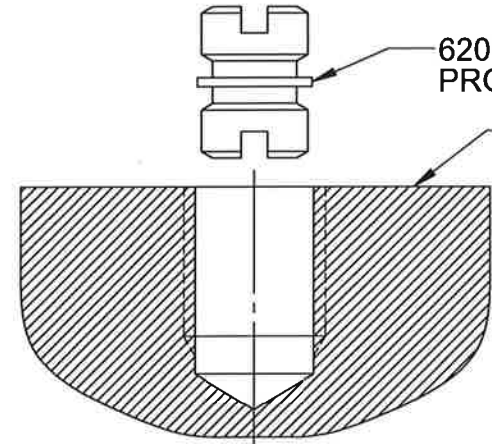
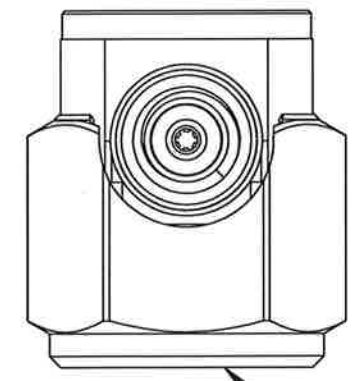
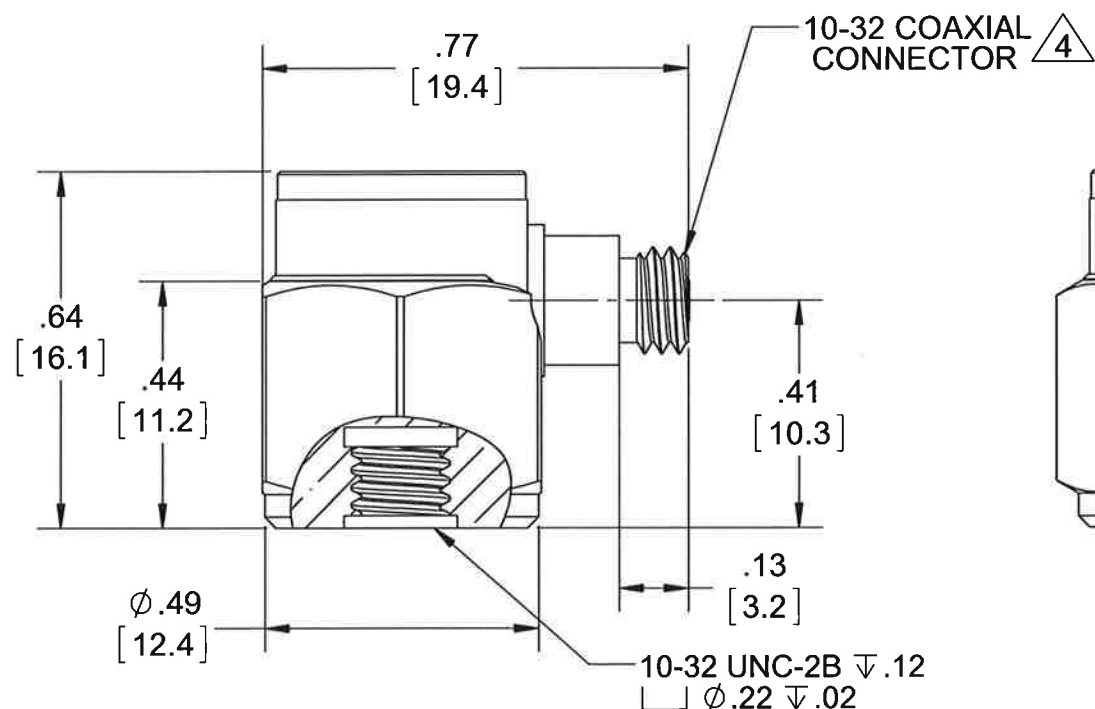
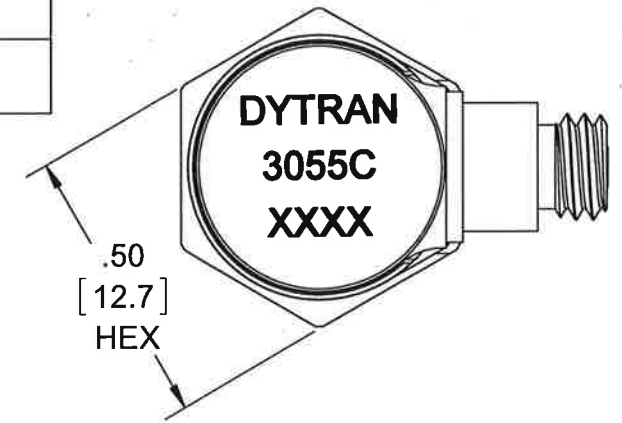


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REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	11863	INITIAL RELEASE	RA, 06/04/15	Em	LN



**MOUNTING SURFACE HOLE PREPARATION:**  
SELECT SURFACE FLAT TO .001 TIR  
TAP 10-32 UNF-2B X .200 MIN THD DEPTH

4 MATES WITH DYTRAN 6010AXX OR 6011AXX CABLE (XX=LENGTH IS FEET)

3. WEIGHT: 10 GRAMS, MAX.

2 ARROW INDICATES ACCELERATION DIRECTION FOR NEGATIVE OUTPUT.

1. MATERIAL: TITANIUM ALLOY

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.  
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
DRAWN	RA	05/29/14
DESIGN	RA	01/23/14
CHK	Em	6/29/15
APP	LN	7/14/15

DO NOT SCALE DRAWING

**DYTRAN MASTER INSTRUMENTS, INC.** Chatsworth, CA

TITLE: **OUTLINE/INSTALLATION, ACCEL, ISOLATED, 10 MV/G, SIDE 10-32 CONN**

SIZE B	CAGE CODE 2W033	DWG NO 127-3055C	REV A
SCALE: 3:1	PART NO:	SHEET 1 OF 1	

<b>MODEL NUMBER</b> <b>3055C</b>	<b>PERFORMANCE SPECIFICATION</b>	<b>DOC NO.</b> <b>PS3055C</b>
	<b>Accelerometer, Charge Mode</b>	REV C, ECN 13000, 10/14/16



- HERMETICALLY SEALED
- HIGH CHARGE OUTPUT
- ROBUST DESIGN
- BASE ISOLATED

**PHYSICAL**

	ENGLISH		SI	
Weight	0.35	oz	10.0	grams
Connector [1]	Coaxial		Coaxial	
Housing	Titanium		Titanium	
Sensing Element	Titanium		Titanium	
	Ceramic		Ceramic	
	Shear		Shear	

**PERFORMANCE**

Sensitivity, ± 15% [2]	15	pC/g	1.53	pC/m/s <sup>2</sup>
Acceleration Range [3]	[3]	Gpeak	[3]	m/s <sup>2</sup> peak
Frequency Range, ±5%	[5] 5000	Hz	[5] 5000	Hz
Resonance Frequency	32	kHz	32	kHz
Linearity [4]	±1	%	±1	%
Transverse Sensitivity Max	5	%	5	%

**ENVIRONMENTAL**

Shock Max	3000	g pk	29430	m/s <sup>2</sup>
Vibration Max	600	g pk	5886	m/s <sup>2</sup>
Operating Temperature	-60 to +375	°F	-51 to +190	°C
Seal	Hermetic		Hermetic	
Coefficient of Thermal Sensitivity	0.06	%/°F	0.11	%/°C

**ELECTRICAL**

Capacitance, nom	975	pF	975	pF
Electrical Isolation	10	GΩ, min	10	GΩ, min

**This family also includes:**

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

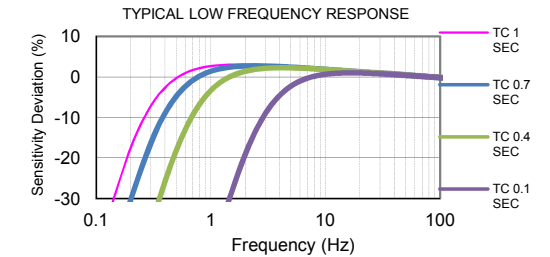
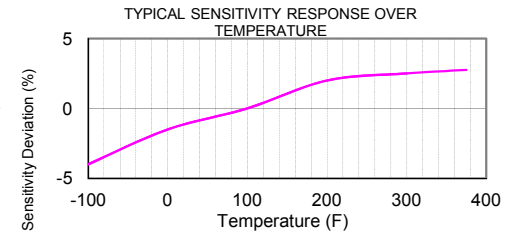
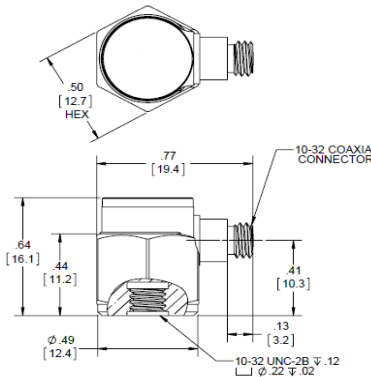
Please, refer to the performance specifications of the products in this family for detailed description

**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 127-3055C for more



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