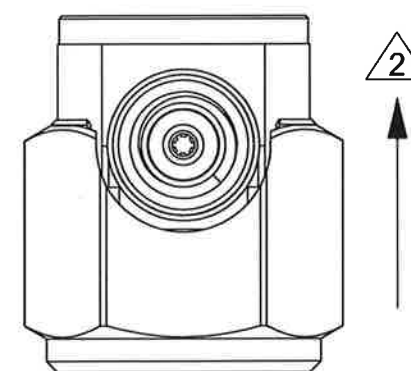
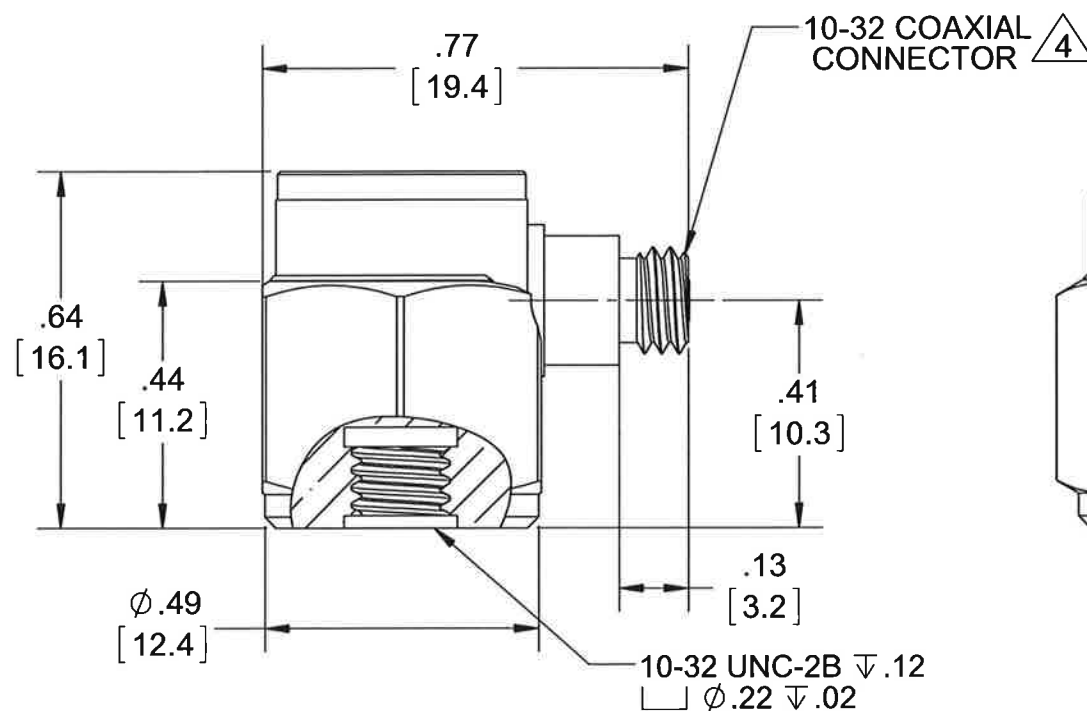
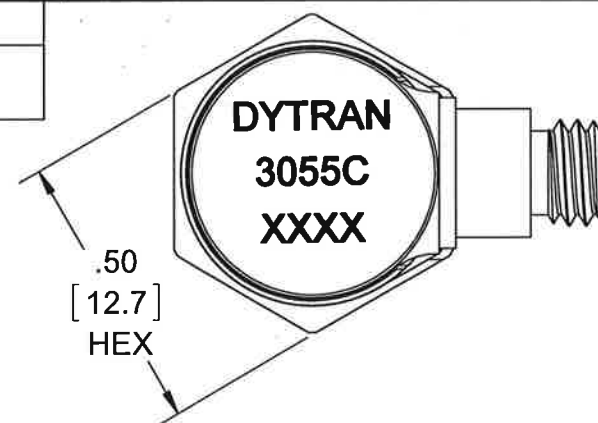


PROPRIETARY AND CONFIDENTIAL

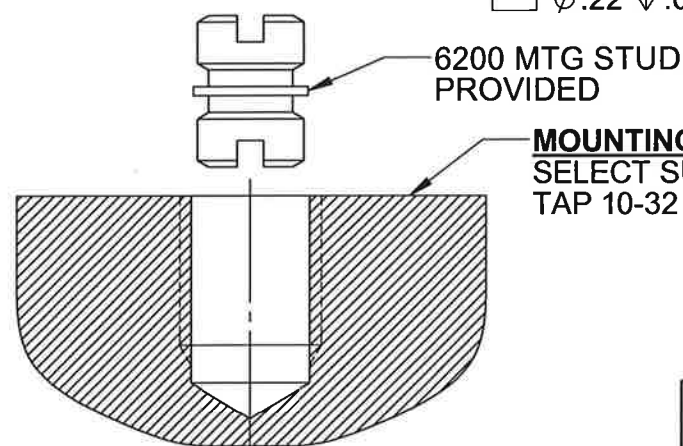
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REVISIONS

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



ISOLATION CUP



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.

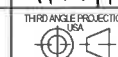
UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:

DECIMALS
.XX ±.01
.XXX ±.005

ANGLES
±1°

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


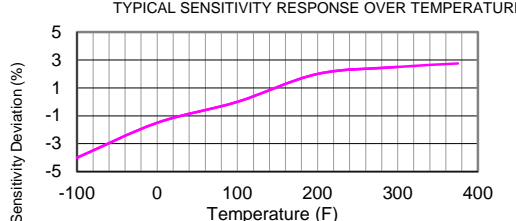
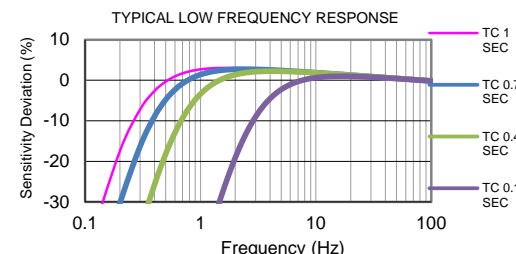
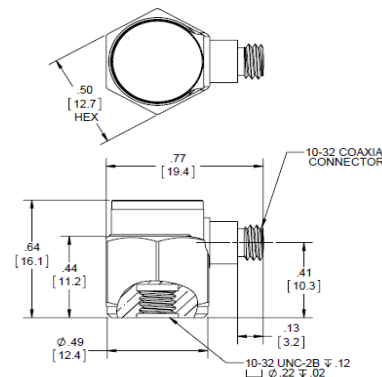

DO NOT SCALE DRAWING



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

SIZE	CAGE CODE	DWG NO	REV
B	2W033	127-3055C	A

SCALE: 3:1 PART NO: SHEET 1 OF 1

MODEL NUMBER 3055C		PERFORMANCE SPECIFICATION				DOC NO. PS3055C																										
		Accelerometer, Charge Mode				REV D, ECN 14885, 02/04/19																										
		<ul style="list-style-type: none">• HERMETICALLY SEALED• HIGH CHARGE OUTPUT• ROBUST DESIGN• BASE ISOLATED																														
		ENGLISH		SI																												
PHYSICAL																																
Weight		0.35	oz	10.0	grams																											
Connector [1]	Type	Coaxial		Coaxial																												
Housing	Material	Titanium		Titanium																												
Sensing Element	Material	Titanium		Titanium																												
	Material	Ceramic		Ceramic																												
	Mode	Shear		Shear																												
PERFORMANCE																																
Sensitivity, ± 15% [2]		15	pC/g	1.53	pC/m/s ²																											
Acceleration Range [3]		[3]	Gpeak	[3]	m/s ² 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		5000	g pk	49050	m/s ²																											
Vibration Max		600	g pk	5886	m/s ²																											
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:																														
		<table><tr><th>Model</th><th>Sensitivity (pC/g)</th><th>Range (Gpeak)</th><th>Resolution (Grms)</th><th>Oper. Temp(°F)</th></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table>						Model	Sensitivity (pC/g)	Range (Gpeak)	Resolution (Grms)	Oper. Temp(°F)																				
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																														
		21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax:818.700.7880 www.dytran.com For permission to reprint this content, please contact info@dytran.com																														