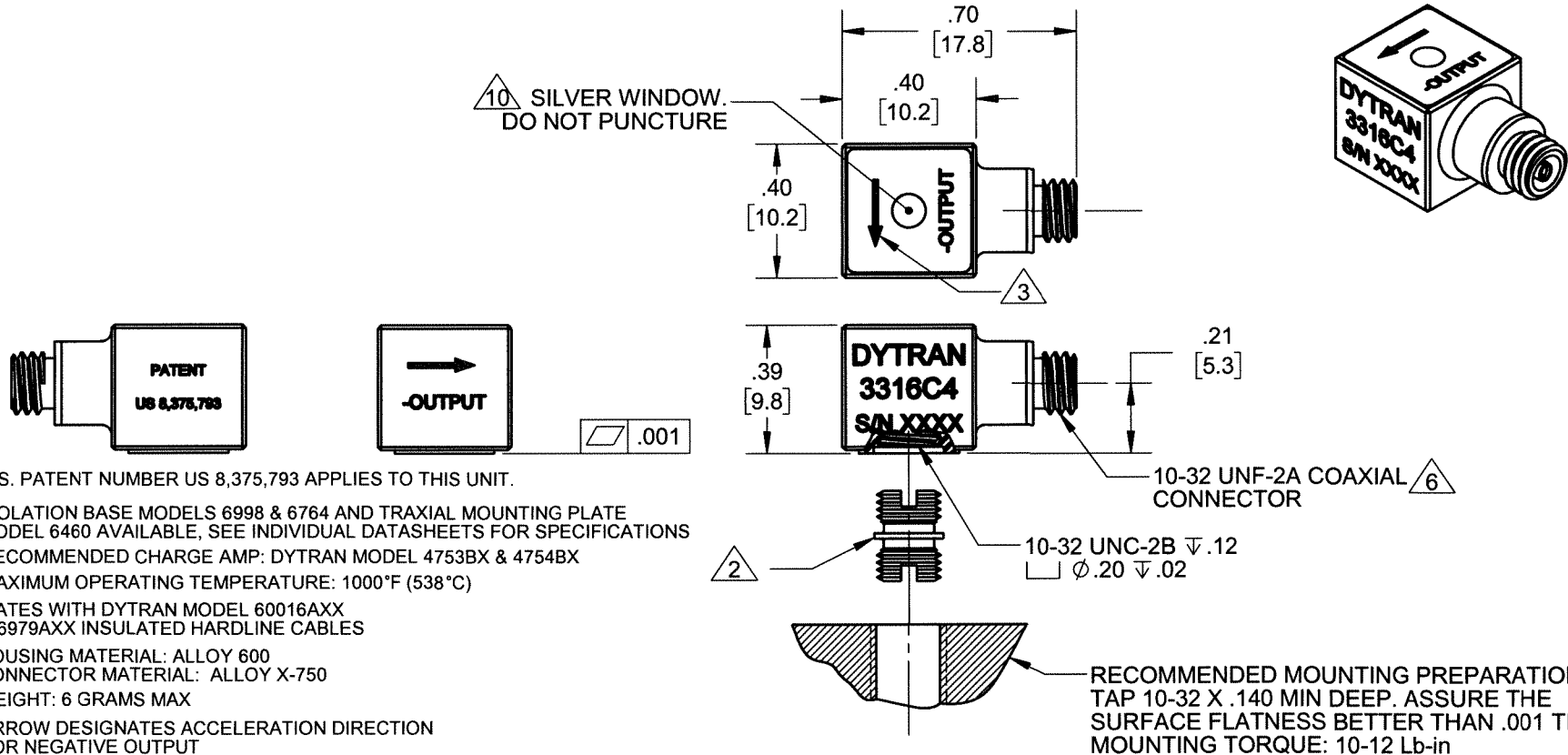


PROPRIETARY AND CONFIDENTIAL

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF DYTRAN INSTRUMENTS INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF DYTRAN INSTRUMENTS INC. IS PROHIBITED

REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	13959	INITIAL RELEASE	NDC 01/16/18	LN	AS
B	15602	REVISED RECOMMENDED ACCESSORIES	KG 02/28/20		



- 10 U.S. PATENT NUMBER US 8,375,793 APPLIES TO THIS UNIT.
- 9 ISOLATION BASE MODELS 6998 & 6764 AND TRAXIAL MOUNTING PLATE MODEL 6460 AVAILABLE, SEE INDIVIDUAL DATASHEETS FOR SPECIFICATIONS
8. RECOMMENDED CHARGE AMP: DYTRAN MODEL 4753BX & 4754BX
7. MAXIMUM OPERATING TEMPERATURE: 1000°F (538°C)
- 6 MATES WITH DYTRAN MODEL 60016AXX & 6979AXX INSULATED HARDLINE CABLES
5. HOUSING MATERIAL: ALLOY 600
CONNECTOR MATERIAL: ALLOY X-750
4. WEIGHT: 6 GRAMS MAX
- 3 ARROW DESIGNATES ACCELERATION DIRECTION FOR NEGATIVE OUTPUT
- 2 MOUNTING STUD 6200S (10-32 TO 10-32) SUPPLIED
1. SENSITIVITY: 1 TO 2 pC/g
- NOTES: UNLESS OTHERWISE SPECIFIED

CONTRACT NO.



MASTER
ONLY IF IN RED
Chatsworth, CA

TITLE:

**OUTLINE/INSTALLATION
DRAWING, 3316C4, Y-AXIS**

USED ON	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 ± .010 .XX ± 0.25	MATERIAL
FINISH	
DO NOT SCALE DRAWING	

APPROVALS	DATE
ORIG NDC	12/18/17
CHK LN	02/15/18
APP AS	02/15/18
APP	

SIZE A	CAGE CODE 2W033	DWG. NO. 127-3316C4	REV B
SCALE: NONE	SOLIDWORKS	SHEET 1 OF 1	

Model Number 3316C4		PERFORMANCE SPECIFICATION				DOC NO PS3316C4	
		SINGLE AXIS CHARGE MODE ACCELEROMETER				REV D, ECN 15602, 03/02/20	
<div></div>		<div><div><div>• Y-AXIS DIRECTIONAL OUTPUT</div><div>• MINIATURE SIZE</div><div>• HERMETICALLY SEALED</div><div>• HIGH TEMPERATURE OPERATION</div></div></div>					
		ENGLISH		SI			
PHYSICAL							
Weight, Max		0.21	oz	6.0	grams		
Connector [3]		10-32 Coaxial		10-32 Coaxial			
Mounting Provision : Tapped Hole		10-32 UNF-2B		10-32 UNF-2B			
Material		Alloy 600		Alloy 600			
Element Style		Alloy X-750		Alloy X-750			
		Single Crystal		Single Crystal			
		Planar Shear		Planar Shear			
PERFORMANCE							
Sensitivity [1]		1 to 2	pC/g	0.10 to 0.20	pC/m/s ²		
Range F.S for ± 5 Volts Output		[9]	G's	[9]	m/s ²		
Frequency Range, ±10%		[4] to 5000	Hz	[4] to 5000	Hz		
Resonant Frequency		> 45	kHz	> 45	kHz		
Capacitance		120	pF	120	pF		
Linearity [2]		± 1%	% F.S.	± 1%	% F.S.		
Phase Response (±5°)		[4] to 3000	Hz	[4] to 3000	Hz		
Maximum Transverse Sensitivity		5	%	5	%		
Base Strain Sensitivity		0.002	g/με	0.02	m/s ² /με		
Insulation resistance, (Connector pin to case)		at 75°F > 5	MΩ	at 75°F > 5	Ω		
		at 1000°F > 0.25	MΩ	at 1000°F > 0.25	Ω		
Coefficient of Thermal Sens.		0.02	%F	0.02	%F		
Ground Isolation		Case Grounded		Case Grounded			
Output Polarity		Negative		Negative			
ENVIRONMENTAL							
Maximum Vibration		±6000	G, peak	±58860	m/s ² , peak		
Maximum Shock		±10000	G, peak	±98100	m/s ² , peak		
Temperature Range		-60 to +1000	°F	-51 to +538	°C		
Seal		Hermetic		Hermetic			
Radiation Exposure Limit (Integrated Neutron Flux)		1.0E+10	N/cm ²	1.0E+10	N/cm ²		
Radiation Exposure Limit (Integrated Gamma Flux)		1.0E+08	rad	1.0E+08	rad		