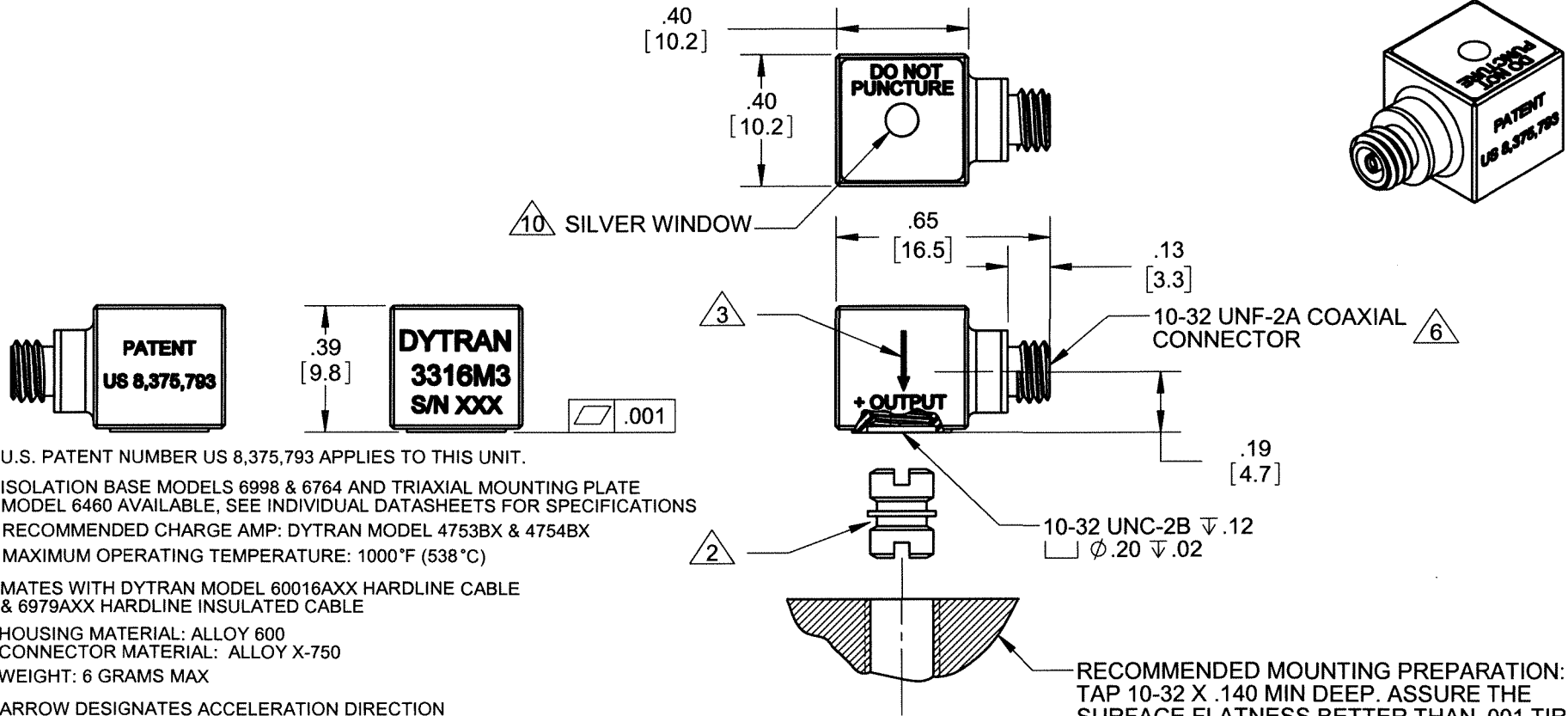


PROPRIETARY AND CONFIDENTIAL

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REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
F	13509	NOTE 5: CONNECTOR MATERIAL: WAS: UNS K94610, ASTM F-15 IS: ALLOY X-750	AM 06/14/17	LN	AS
G	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 TRIAXIAL 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 HARDLINE CABLE & 6979AXX HARDLINE INSULATED CABLE
 - 5. HOUSING MATERIAL: ALLOY 600
CONNECTOR MATERIAL: ALLOY X-750
 - 4. WEIGHT: 6 GRAMS MAX
 - 3 ARROW DESIGNATES ACCELERATION DIRECTION FOR POSITIVE OUTPUT
 - 2 MOUNTING STUD 6200S (10-32 TO 10-32) SUPPLIED
1. SENSITIVITY: 1 TO 2 pC/g
NOTES: UNLESS OTHERWISE SPECIFIED

RECOMMENDED MOUNTING PREPARATION:
TAP 10-32 X .140 MIN DEEP. ASSURE THE SURFACE FLATNESS BETTER THAN .001 TIR.
MOUNTING TORQUE: 10-12 Lb-in

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.	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
ALL MACHINED SURFACES. 63 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.	MATERIAL
FINISH	DO NOT SCALE DRAWING

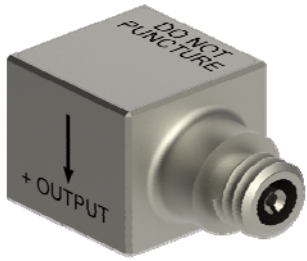
CONTRACT NO.	
APPROVALS	DATE
ORIG JS	09/26/12
CHK AB	09/26/12
APP AS	10/05/12
APP	

DYTRAN
INSTRUMENTS, INC. Chatsworth, CA

MASTER
ONLY IF IN RED

TITLE:
**OUTLINE/INSTALLATION
DRAWING, 3316M3**

SIZE A	CAGE CODE 2W033	DWG. NO. 127-3316M3	REV G
SCALE: NONE		SOLIDWORKS	SHEET 1 OF 2



- MINIATURE SIZE
- HERMETICALLY SEALED
- HIGH TEMPERATURE OPERATION

PHYSICAL

Weight, Max		0.21	oz	6.0	grams
Size	Square x Height	.40 x .39	Inches	10.16 x 9.8	mm
Connector [3]	Type	10-32 Coaxial		10-32 Coaxial	
Mounting Provision : Tapped Hole		10-32 UNC-2B		10-32 UNC-2B	
Material	Housing	Alloy 600		Alloy 600	
	Connector	Alloy X-750		Alloy X-750	
Element Style	Material	Single Crystal		Single Crystal	
	Type	Planar Shear		Planar Shear	

ENGLISH		SI	
Weight, Max	0.21	oz	6.0
Size	.40 x .39	Inches	10.16 x 9.8
Connector [3]	10-32 Coaxial		10-32 Coaxial
Mounting Provision : Tapped Hole	10-32 UNC-2B		10-32 UNC-2B
Material	Alloy 600		Alloy 600
	Alloy X-750		Alloy X-750
Element Style	Single Crystal		Single Crystal
	Planar Shear		Planar Shear

PERFORMANCE

	ENGLISH	SI
Sensitivity [1]	1 to 2	pC/g
Range F.S for ± 5 Volts Output	[9]	G's
Frequency Range, ±10%	[4] to 10000	Hz
Resonant Frequency	> 45	kHz
Capacitance	120	pF
Linearity [2]	± 1%	% F.S.
Phase Response (±5°)	[4] to 3000	Hz
Maximum Transverse sensitivity	5	%
Strain Sensitivity	0.002	g/με
Insulation resistance, (Connector pin to case)	at 75°F > 5	MΩ
	at 1000°F > 0.25	MΩ
Coefficient of Thermal Sens.	0.02	%F
Ground Isolation	Case Ground	Case Ground

ENVIRONMENTAL

	ENGLISH	SI
Maximum Vibration	±6000	G, peak
Maximum Shock	±10000	G, peak
Temperature Range	-60 to +1000	°F
Seal	Hermetic	Hermetic
Radiation Exposure Limit (Integrated Neutron Flux)	1.0E+10	N/cm ²
Radiation Exposure Limit (Integrated Gamma Flux)	1.0E+08	rad

This family also includes:

Model	Sensitivity (pC/g)	Range F.S (G's)	Output Polarity	Temperature (°F)

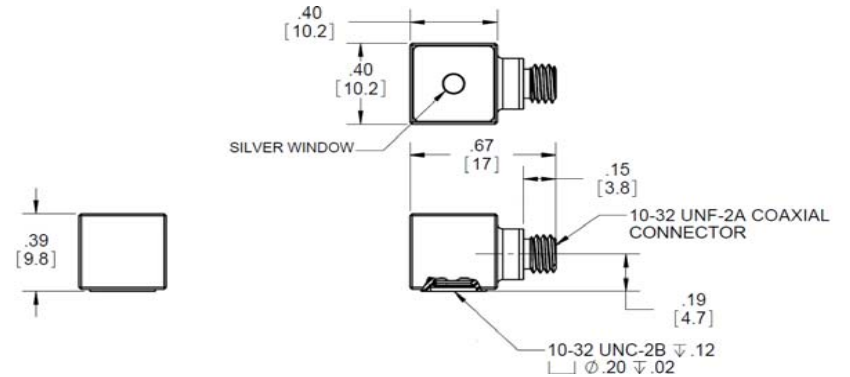
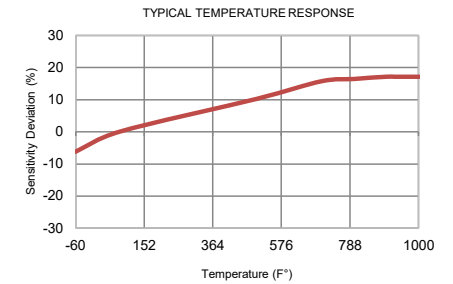
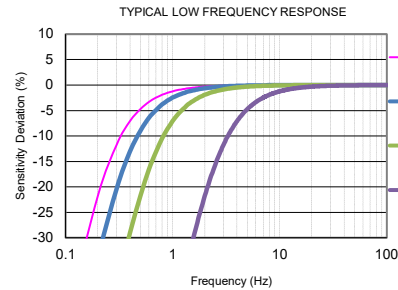
Refer to the performance specifications of the products in this family for detailed description.

Supplied Accessories:

- 1) Accredited calibration certificate (ISO 17025)
- 2) Model 6200S mounting stud (10-32 to 10-32), qty 1

Notes:

- [1] Measured at 100Hz, 1 Grms per ISA RP 37.2
- [2] Measured using zero-based straight line method, % of F.S. or any lesser range.
- [3] Mates with Dytran cable 6946AXX hardline cable and 6979AXX hardline insulated cable.
- [4] Low frequency response and phase response are a function of the discharge time constant of the charge amplifier used.
See graph below for example.
- [5] In the interest of constant product improvement, we reserve the right to change specifications without notice. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.
- [6] Recommended charge amplifier: Dytran Models 4753B & 4754B, Series.
- [7] Isolation mounting base Model 6764 (triaxial) & Model 6998 (uniaxial) and mounting plate Model 6460 (triaxial)
- [8] U.S. Patent number US 8,375,793 B2 applies to this unit.
- [9] This parameter depends on the gain settings of the charge amplifier used.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3316M3 for more information.

