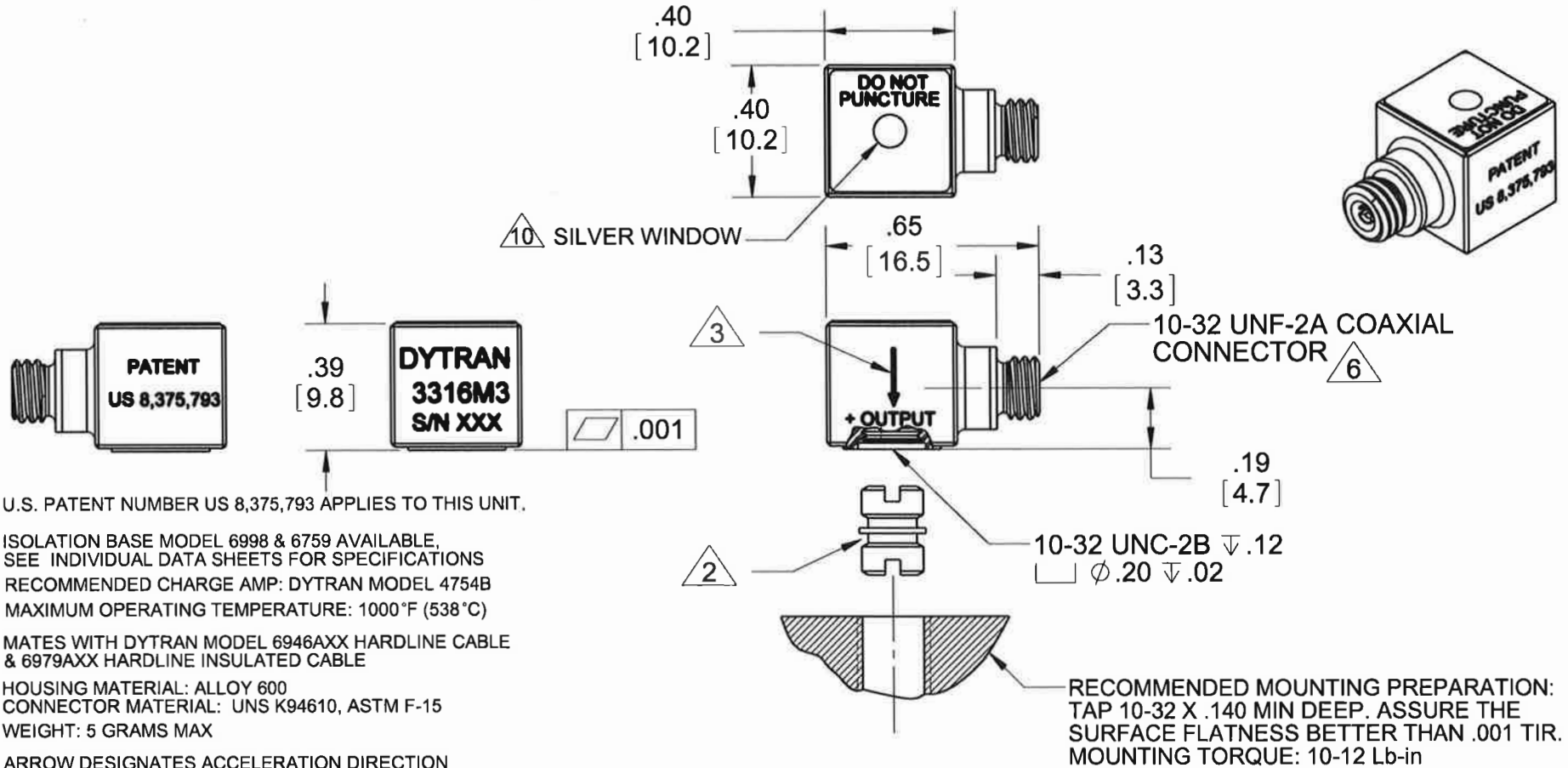


PROPRIETARY AND CONFIDENTIAL

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REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
D	11485	ADDED SHT 2, OPTIONAL MOUNTING	JS 11/06/14	LA	LN



- 10 U.S. PATENT NUMBER US 8,375,793 APPLIES TO THIS UNIT.
 - 9 ISOLATION BASE MODEL 6998 & 6759 AVAILABLE, SEE INDIVIDUAL DATA SHEETS FOR SPECIFICATIONS
 - 8. RECOMMENDED CHARGE AMP: DYTRAN MODEL 4754B
 - 7. MAXIMUM OPERATING TEMPERATURE: 1000°F (538°C)
 - 6 MATES WITH DYTRAN MODEL 6946AXX HARDLINE CABLE & 6979AXX HARDLINE INSULATED CABLE
 - 5. HOUSING MATERIAL: ALLOY 600
CONNECTOR MATERIAL: UNS K94610, ASTM F-15
 - 4. WEIGHT: 5 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

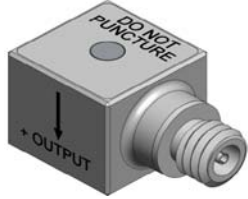
USED ON	NEXT ASSY	UNLESS OTHERWISE SPECIFIED: INTERPRET DIM & TOL PER ASME Y14.5M - 1994. REMOVE BURRS. COUNTERSINK INTERNAL THDS 90° TO MAJOR DIA. CHAM EXT THDS 45° TO MINOR DIA. THD LENGTHS AND DEPTHS ARE FOR MIN FULL THDS. THDS PER MIL-S-7742. DIMENSIONS APPLY AFTER FINISHING.
APPLICATION		
THIRD ANGLE PROJECTION USA		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, 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.		

CONTRACT NO.	
APPROVALS	DATE
ORIG JS	09/26/12
CHK AB	09/26/12
APP AS	10/05/12
APP	
MATERIAL	
FINISH	
DO NOT SCALE DRAWING	

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

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

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



- MINIATURE SIZE
- HERMETICALLY SEALED
- HIGH TEMPERATURE OPERATION

PHYSICAL

Weight, Max			
Size	Square x Height		
Connector [3]	Type		
Mounting Provision : Tapped Hole			
Material	Housing		
	Connector		
Element Style	Material		
	Type		

	ENGLISH		SI	
Weight, Max	0.18	oz	5.0	grams
Size	.40 x .39	Inches	10.16 x 9.8	mm
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	
	UNS K94610		UNS K94610	
Element Style	Single Crystal		Single Crystal	
	Planar Shear		Planar Shear	

PERFORMANCE

	ENGLISH		SI	
Sensitivity [1]	1 to 2	pC/g	0.10 to 0.20	pC/m/s ²
Range F.S for ± 5 Volts Output	±5000	G's	±49050	m/s ²
Frequency Range, ±10%	[4] to 10000	Hz	[4] to 10000	Hz
Resonant Frequency	> 45	kHz	> 45	kHz
Capacitance	70	pF	70	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	%
Strain Sensitivity	0.002	g/μe	0.02	m/s ² /μe
Insulation resistance, (Connector pin to case)	at 75°F > 5	MΩ	at 1000°F > 0.25	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 Ground		Case Ground	

ENVIRONMENTAL

	ENGLISH		SI	
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	

This family also includes:

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

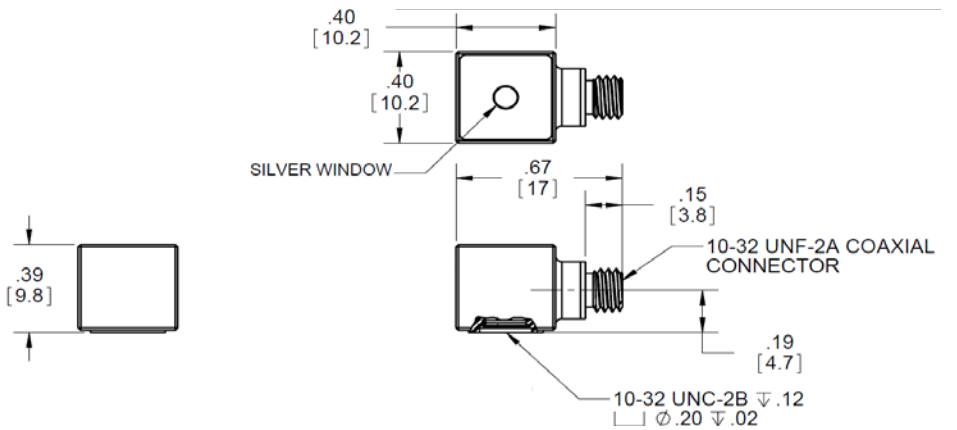
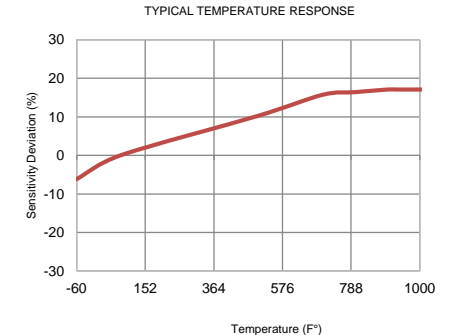
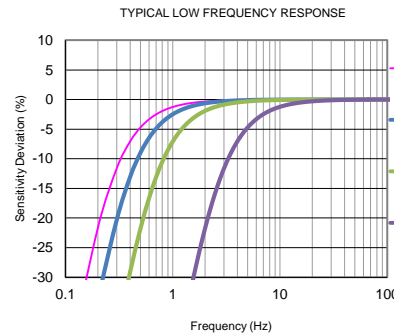
Refer to the performance specifications of the products in this family for detailed description.

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 is function of charge amplifier. See graph below for example.
- [5] In the interest of constant product improvement, we reserve the right to change specifications without notice.
- [6] Recommended charge amplifier: Dytran model 4754B, Series.
- [7] Isolation mounting base model 6959 (triaxial) and 6998 (uniaxial) are available.
- [8] U.S. Patent number US 8,375,793 B2 applies to this unit.



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



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