

PROPRIETARY AND CONFIDENTIAL

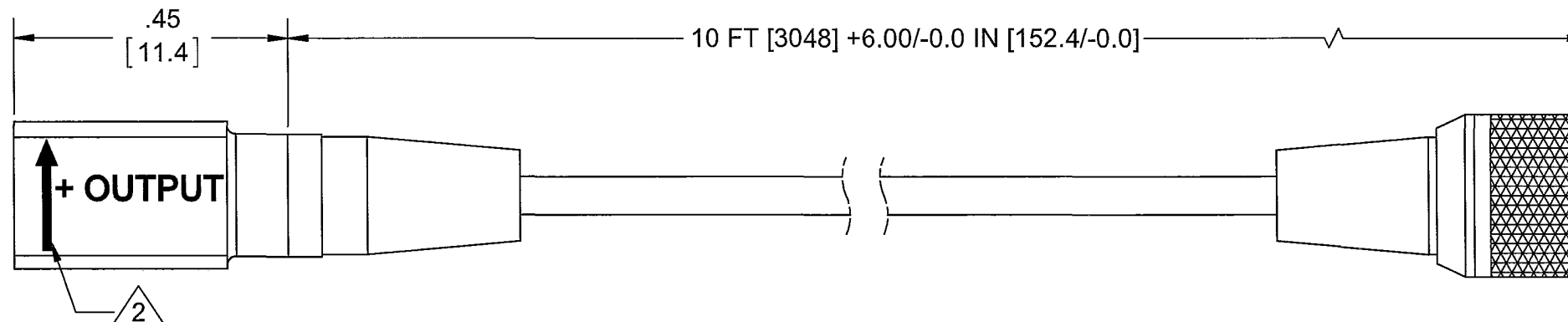
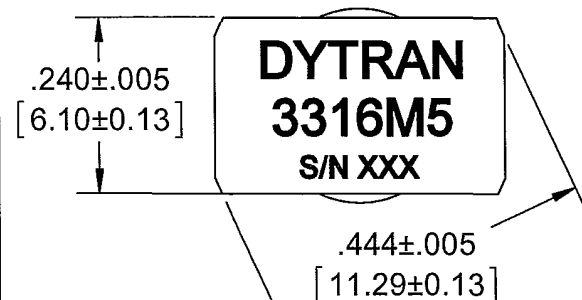
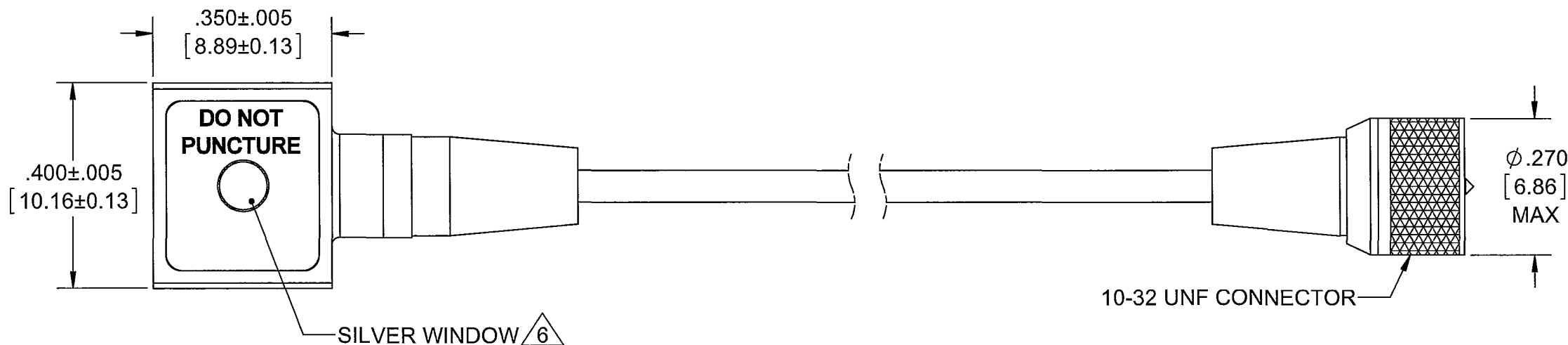
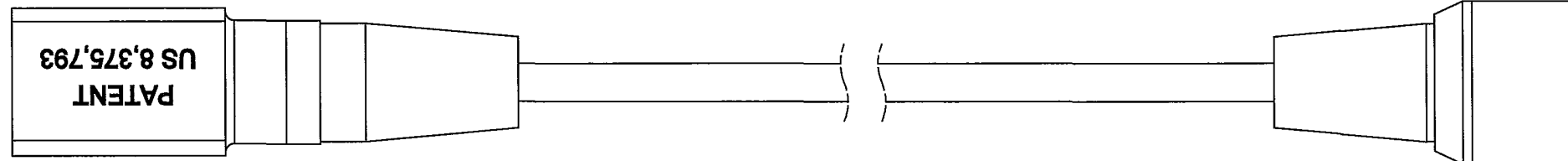
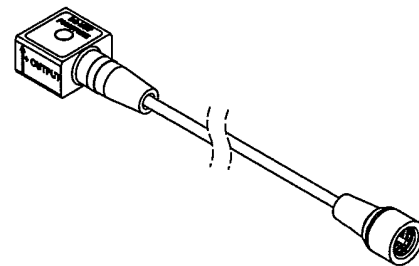
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF DYTRAN INSTRUMENTS INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF DYTRAN INSTRUMENTS INC. IS PROHIBITED

REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	9853	INITIAL RELEASE	AB 04/18/13	JS	DV
B	9749	ADDED VIEW TO SHOW PATENT MARKING	AB 10/19/13	JLS	PS

MATERIALS

JACKET	304L SS
NUT	304L SS
STRAIN RELIEF	304L SS
PIN	304L SS
CABLE INSULATOR	SILICON DIOXIDE
CONNECTOR INSULATOR	MACOR
SLEEVING	FIBERGLASS



- 6 U.S. PATENT NUMBER US 8,375,793 APPLIES TO THIS UNIT.
- 5. MAXIMUM OPERATING TEMPERATURE: 1000°F (538°C).
- 4. HOUSING MATERIAL: ALLOY 600.
- 3. WEIGHT (LESS CABLE): 7 GRAMS.
- 2 ARROW DESIGNATES ACCELERATION DIRECTION FOR POSITIVE OUTPUT.
- 1. SENSITIVITY: 1 TO 2 pC/g.

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.		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS TOLERANCES ARE:		DYTRAN INSTRUMENTS, INC. Chatsworth, CA	
DECIMALS .XX ±.03 .XXX ±.010	METRIC X ±0.8 .XX ±0.25	ANGLES ±1°	<p>MASTER ONLY IF IN RED</p> <p>TITLE: OUTLINE/INSTALLATION DRAWING, 3316M5</p>		
APPROVALS		DATE		SIZE	CAGE CODE
ORIG	AB	04/18/13		B	2W033
CHK	JS	07/13/13		DWG NO	127-3316M5
APP	DV	07/18/13		REV	B
DO NOT SCALE DRAWING		THIRD ANGLE PROJECTION USA		SCALE: 2:1	
				SHEET 1 OF 1	



- MINIATURE SIZE
- HERMETICALLY SEALED
- HIGH TEMPERATURE OPERATION
- INTEGRAL HARDLINE CABLE

PHYSICAL

Weight, Max (Less Cable)
 Mounting Provision
 Material
 Element Style

Housing
 Material
 Type

ENGLISH		SI	
0.25	oz	7.0	grams
Adhesive Mount		Adhesive Mount	
Alloy 600		Alloy 600	
Single Crystal		Single Crystal	
Planar Shear		Planar Shear	

PERFORMANCE

Sensitivity [1]
 Range F.S for ± 5 Volts Output
 Frequency Range, ±10%
 Resonant Frequency
 Capacitance
 Linearity [2]
 Phase Response (±5)
 Maximum Transverse sensitivity
 Strain Sensitivity
 Insulation resistance, (Connector pin to case)
 Coefficient of Thermal Sens.
 Ground Isolation

ENGLISH		SI	
1 to 2	pC/g	0.10 to 0.20	pC/m/s ²
±5000	G's	±49050	m/s ²
[3] to 5000	Hz	[3] to 5000	Hz
> 45	kHz	> 45	kHz
70	pF	70	pF
± 1%	% F.S.	± 1%	% F.S.
[3] to 3000	Hz	[3] to 3000	Hz
5	%	5	%
0.002	g/με	0.02	m/s ² /με
at 75°F >1.0E8	Ω	at 75°F >1.0E8	Ω
at 1000°F >2.5E5	Ω	at 1000°F >2.5E5	Ω
0.02	%F	0.02	%F
Case Ground		Case Ground	

ENVIRONMENTAL

Maximum Vibration
 Maximum Shock
 Temperature Range
 Seal

±6000	G, peak	±58860	m/s ² , peak
±10000	G, peak	±98100	m/s ² , peak
-60 to+1000	°F	-51 to+538	°C
Hermetic		Hermetic	

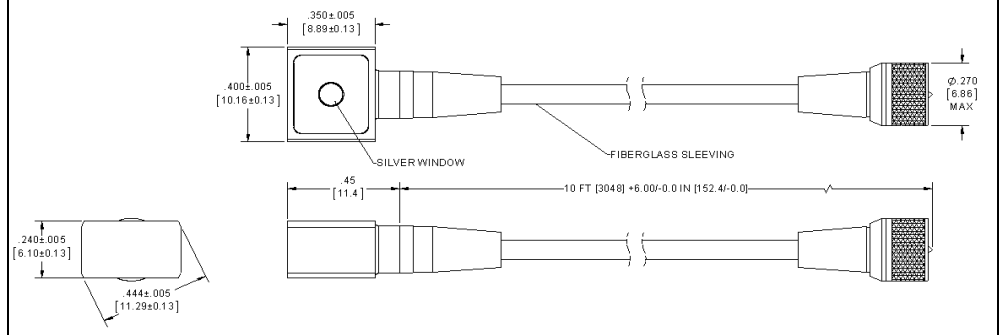
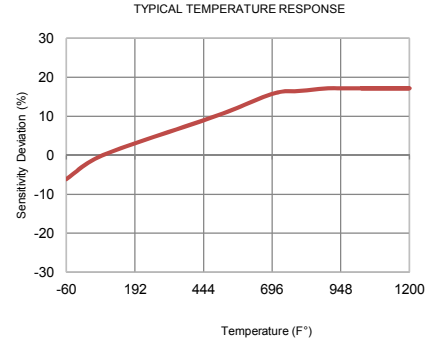
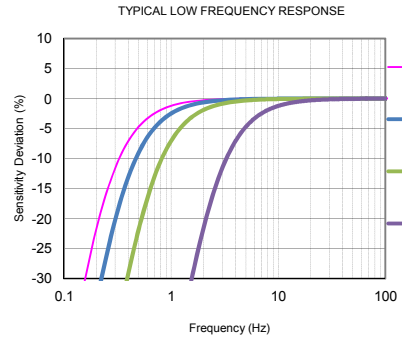
This family also includes:

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:**
- Accredited calibration certificate (ISO 17025)

- Notes:**
- Measured at 100Hz, 1 Grms per ISA RP 37.2
 - Measured using zero-based straight line method, % of F.S. or any lesser range.
 - Low frequency response and phase response is function of charge amplifier. See graph below for example.
 - In the interest of constant product improvement, we reserve the right to change specifications without notice.
 - Recommended charge amplifier: Dytran model 4754B, Series.
 - 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 127-3316M5 for more information.



Presented by: Absolute Gauge Technologies
 sales@absolute-gauge.com; www.absolute-gauge.com,
 Toronto: 416 754 3168, Montreal: 514 695 5147, Toll Free: 1 888 754 7008