

PROPRIETARY AND CONFIDENTIAL

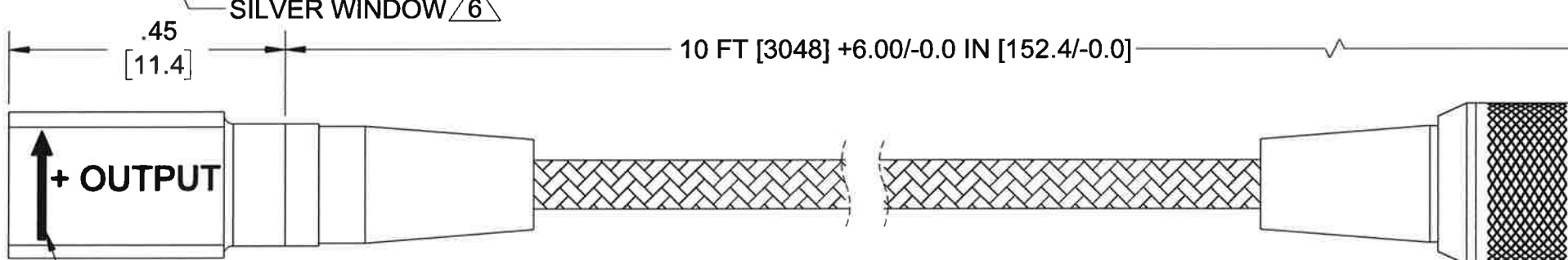
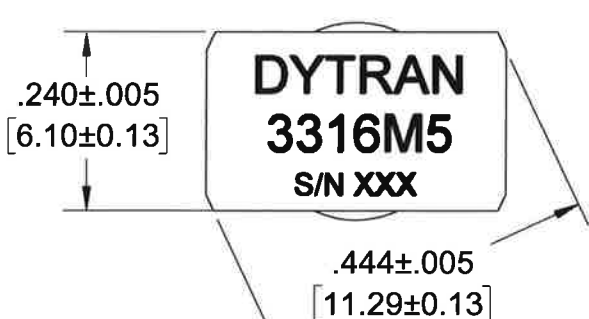
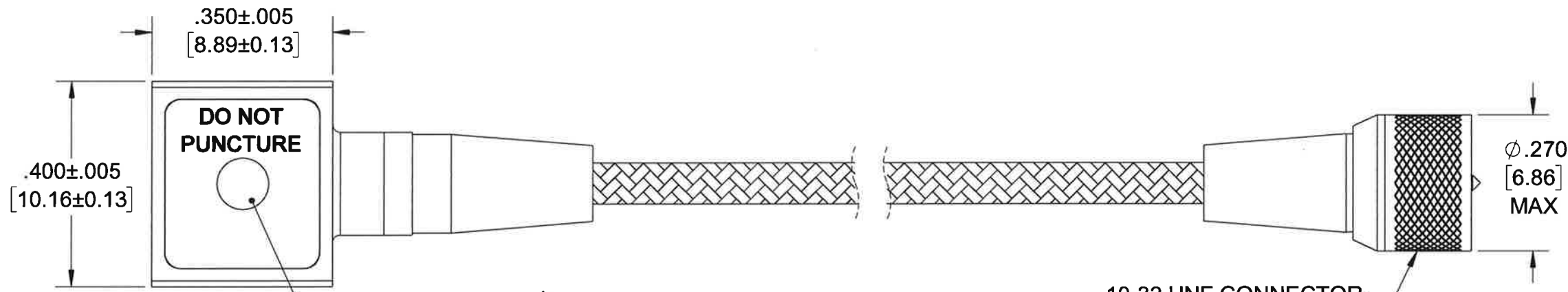
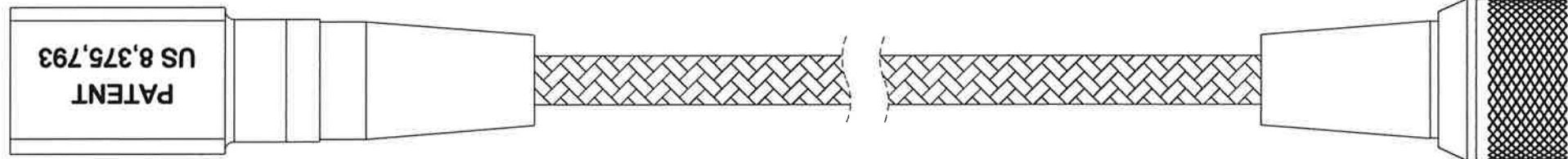
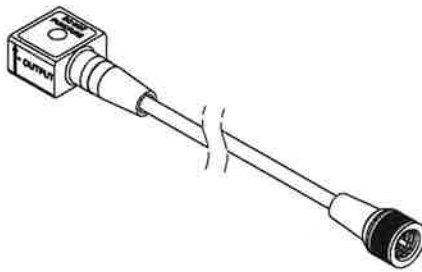
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MATERIALS

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

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	RT
C	13109	UPDATE TO ADD MAX TORQUE AND MIN BEND RADIUS VALUES; ADD "CE" TO DRAWING TITLE	LA 11/17/16	MH	W



- 6. MINIMUM BEND RADIUS: 1.4 INCH.
- 5. MAXIMUM TORQUE: 8 LB-IN.

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.

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.

DECIMALS	METRIC	ANGLES
.XX ±.03	.X ± 0.8	±1°
.XXX ±.010	.XX ±0.25	

APPROVALS		DATE
ORIG	AB	04/18/13
CHK	JS	07/13/13
APP	DV	07/18/13



TITLE: OUTLINE/INSTALLATION DRAWING, "CE" CERTIFIED, 3316M5

SIZE B	CAGE CODE 2W033	DWG NO 127-3316M5	REV C
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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
120	pF	120	pF
± 1%	% F.S.	± 1%	% F.S.
[3] to 3000	Hz	[3] to 3000	Hz
5	%	5	%
0.002	g/μe	0.02	m/s ² /μe
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:

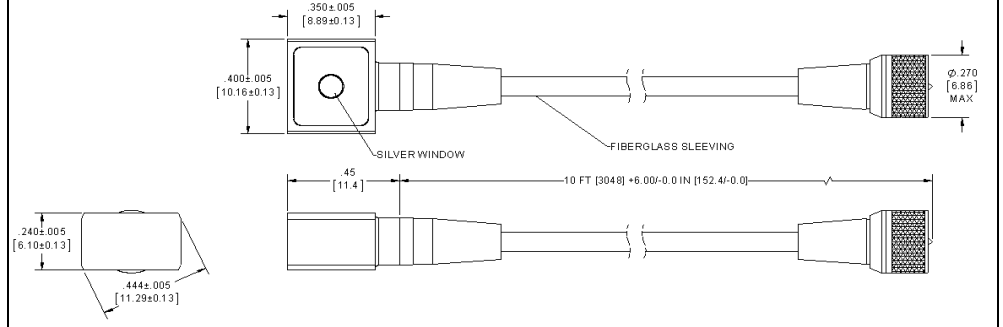
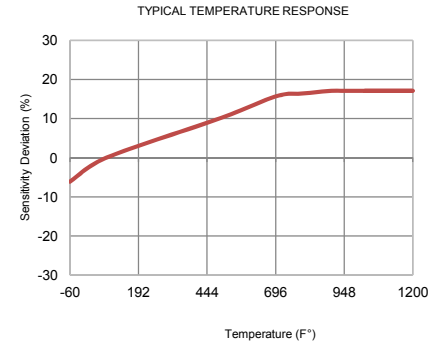
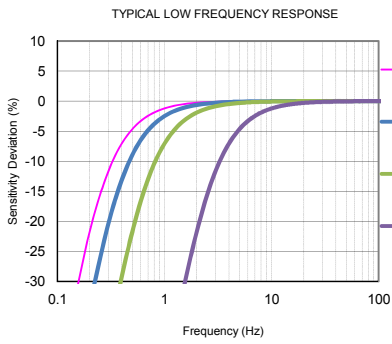
Model	Sensitivity (pC/g)	Range F.S (G's)	Output Polarity	Temperature (°F)

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

Supplied Accessories:
1) Accredited calibration certificate (ISO 17025)

- 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] Low frequency response and phase response is function of charge amplifier. See graph below for example.
 - [4] In the interest of constant product improvement, we reserve the right to change specifications without notice.
 - [5] Recommended charge amplifier: Dytran model 4754B, Series.
 - [6] U.S. Patent number US 8,375,793 B2 applies to this unit.

Certifications:
CE certified



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3316M5 for more information.

