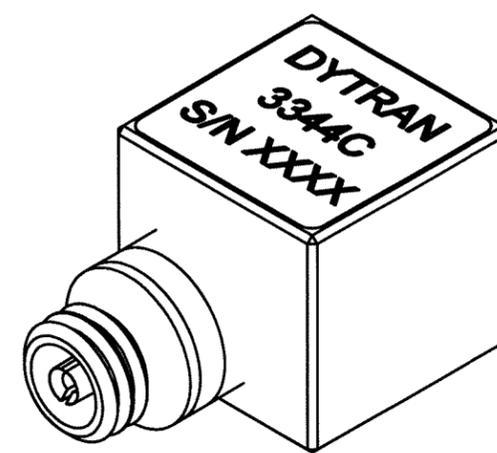
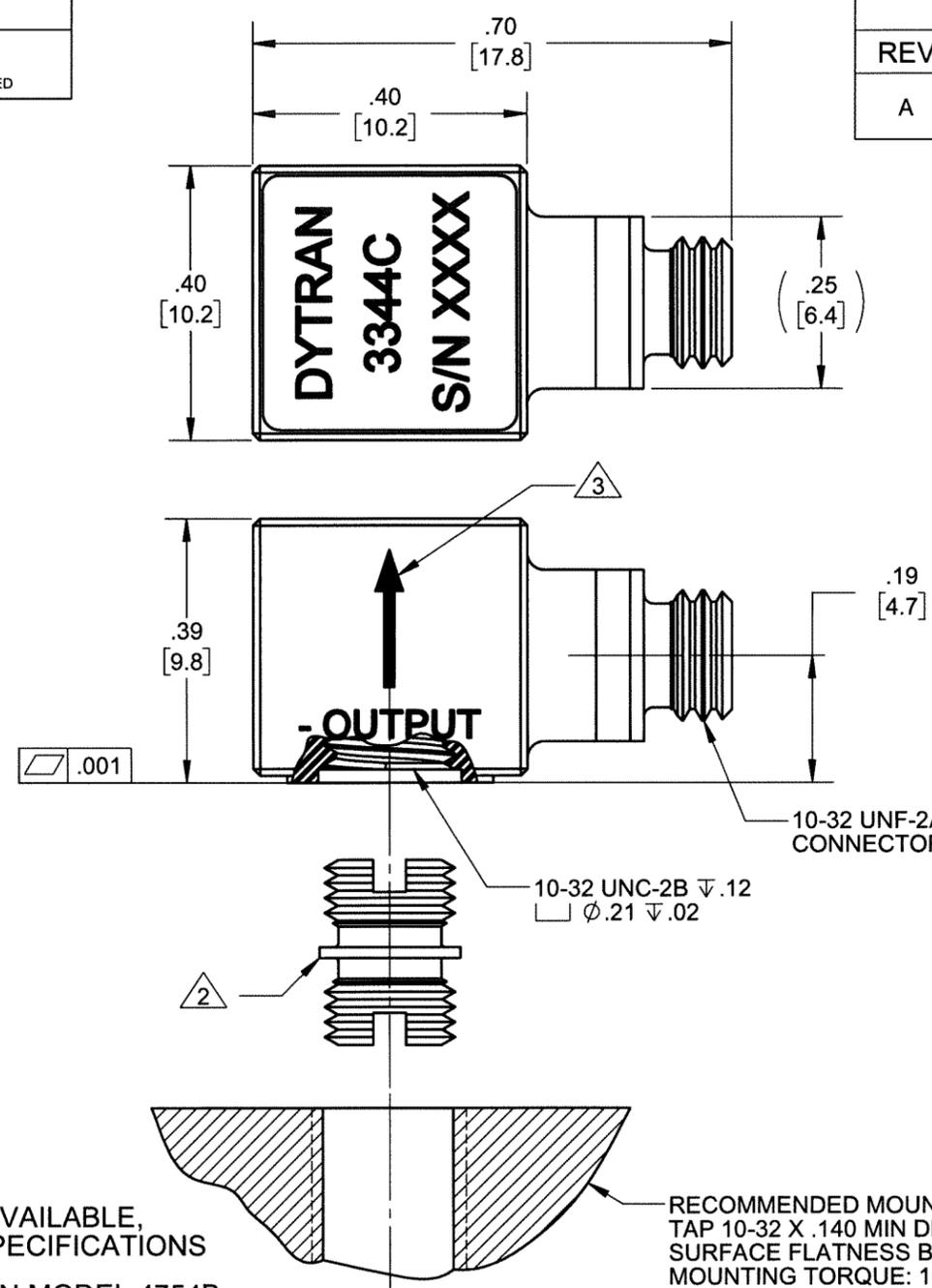


PROPRIETARY AND CONFIDENTIAL

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	15323	INITIAL RELEASE. SAME AS REV X2.	KG 12/18/19	JK	W



- 9 ISOLATION BASE MODEL 6998 & 6759 AVAILABLE, SEE INDIVIDUAL DATA SHEETS FOR SPECIFICATIONS
- 8. RECOMMENDED CHARGE AMP: DYTRAN MODEL 4754B
- 7. MAXIMUM OPERATING TEMPERATURE: 500°F (260 °C)
- 6 MATES WITH DYTRAN MODEL 60016AXX & 6979AXX INSULATED HARDLINE CABLES.

- 5. HOUSING MATERIAL: ALLOY 600
CONNECTOR MATERIAL: F15 ALLOY
- 4. WEIGHT: 6.5 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

<small>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.</small>	<small>UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS TOLERANCES ARE:</small>				MASTER ONLY IF IN RED	
	<small>DECIMALS .XX ±.03 .XXX ±.010</small>	<small>METRIC X ± 0.8 .XX ± 0.25</small>				<small>ANGLES ±1°</small>
	APPROVALS		DATE		TITLE:	
	ORIG	CHK	APP	DATE	OUTLINE/INSTALLATION DRAWING, 3344C, Z-AXIS	
DO NOT SCALE DRAWING	THIRD ANGLE PROJECTION USA		SIZE	CAGE CODE	DWG NO	
			B	2W033	127-3344C	
			SCALE: 4:1		SHEET 1 OF 1	



- MINIATURE SIZE
- HERMETICALLY SEALED
- HIGH TEMPERATURE OPERATION [500°F]

PHYSICAL

Weight, Max		Type			
Connector [3]		Tapped Hole			
Mounting Provision		Housing			
Material		Connector			
Element Style		Material			
		Type			

ENGLISH		SI	
0.23	oz	6.5	grams
10-32 Coaxial		10-32 Coaxial	
10-32 UNF-2B		10-32 UNF-2B	
Alloy 600		Alloy 600	
F15 Alloy		F15 Alloy	
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	[7]	G's	[7]	m/s ²
Frequency Range, ±10%	[4] to 10000	Hz	[4] to 10000	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 > 50	MΩ	at 24°C > 50	MΩ
	at 500°F > 10	MΩ	at 260°C > 10	MΩ
Coefficient of Thermal Sens.	0.02	%F		%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 +500	°F	-51 to +260	°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

This family also includes:

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

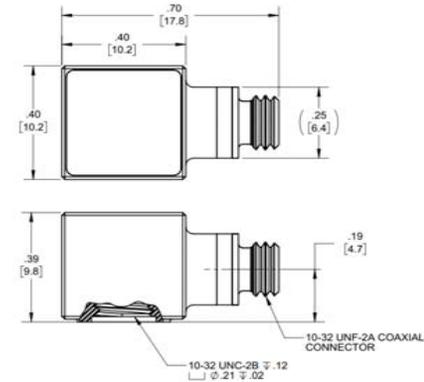
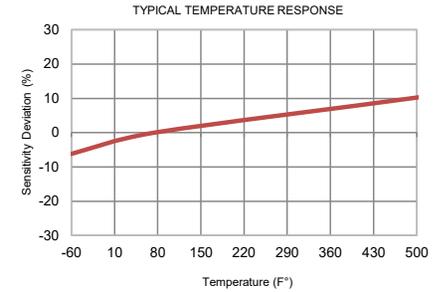
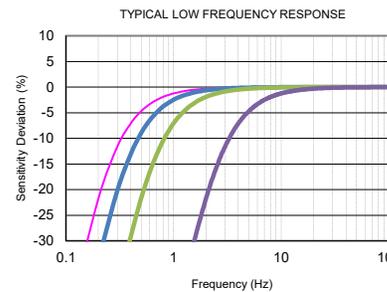
Refer to the performance specifications of the products in this family for detailed description.

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 60016AXX and 6979AXX insulated hardline cables.
 - [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] Recommended charge amplifier: Dytran model 4754B, Series.
 - [6] Isolation mounting base model 6959 (triaxial) and 6998 (uniaxial) are available.
 - [7] This parameter depends on the gain settings of the charge amplifier used.
 - [8] 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.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3344C for more information.

