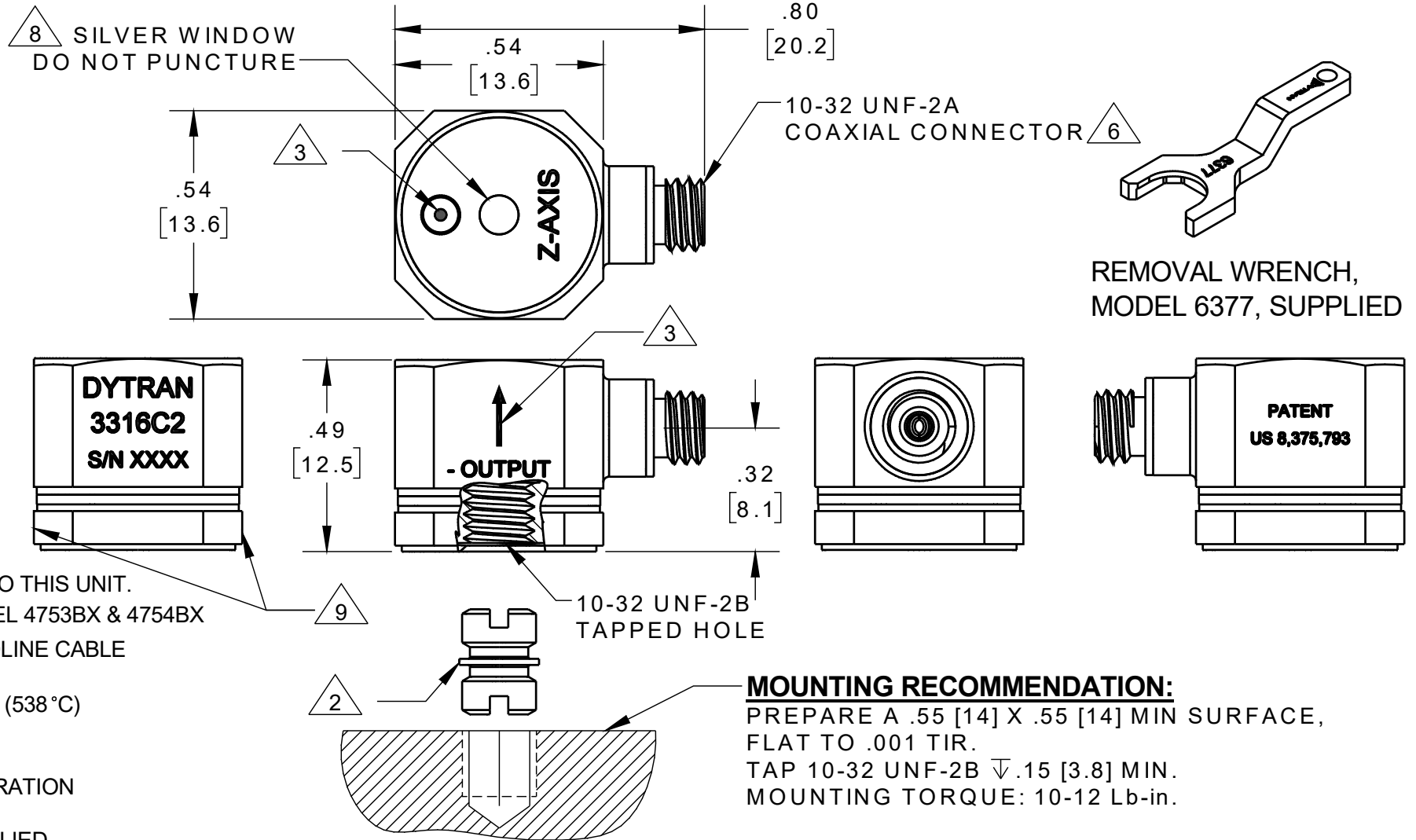
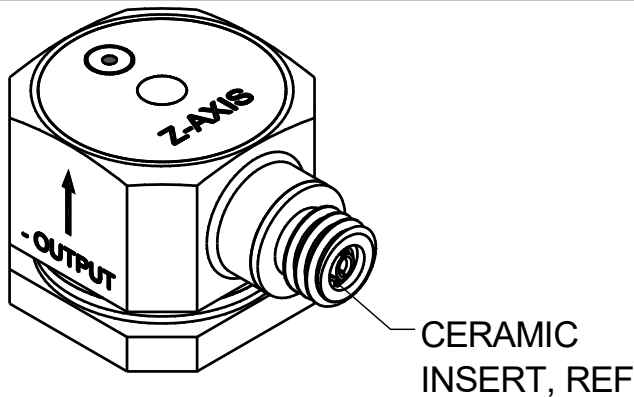


THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF DYTRAN INSTRUMENTS INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF DYTRAN INSTRUMENTS INC. IS PROHIBITED

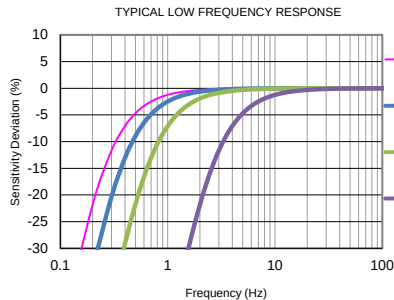
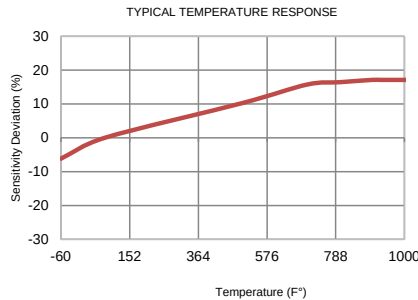
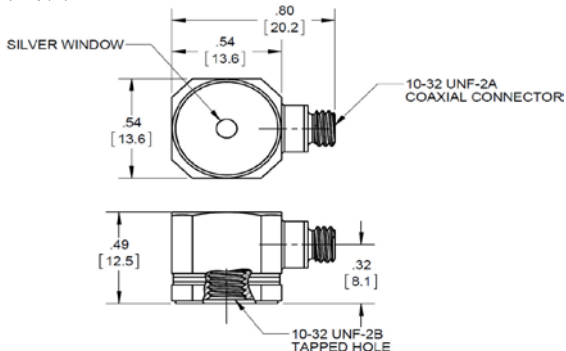
REVISIONS					
REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
E	15719	REVISED TOP COVER MARKINGS	KG 04/08/20	AM	LN
F	16187	UPDATED CONNECTOR	AM 05/05/21	RA	LN



10. TRIAXIAL MOUNTING PLATE MODEL 6460 AVAILABLE
9. APPLY TORQUE ONLY ON BOTTOM FLATS FOR INSTALLATION & REMOVAL.
8. U.S. PATENT NUMBER US 8,375,793 APPLIES TO THIS UNIT.
7. RECOMMENDED CHARGE AMP: DYTRAN MODEL 4753BX & 4754BX
6. MATES WITH DYTRAN MODEL 60016AXX HARDLINE CABLE & 6979AXX HARDLINE INSULATED CABLE
5. MAXIMUM OPERATING TEMPERATURE: 1000 °F (538 °C)
4. HOUSING MATERIAL: ALLOY 600
CONNECTOR MATERIAL: ALLOY X-750
3. ARROW DESIGNATES DIRECTION OF ACCELERATION FOR NEGATIVE OUTPUT
2. MOUNTING STUD 6200S (10-32 TO 10-32) SUPPLIED
1. WEIGHT: 13 GRAMS MAX

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. 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				 Chatsworth, CA	
				TITLE:				
				OUTLINE/INSTALLATION DWG, MODEL 3316C2				
USED ON	NEXT ASSY							
APPLICATION								
THIRD ANGLE PROJECTION USA								
								

Model Number 3316C2		PERFORMANCE SPECIFICATION				DOC NO PS3316C2	
		SINGLE AXIS CHARGE MODE ACCELEROMETER				REV H, ECN 15732, 04/29/20	
		• Z-AXIS DIRECTIONAL OUTPUT • BASE ISOLATED • HERMETICALLY SEALED • HIGH TEMPERATURE OPERATION • LOW BASE STRAIN SENSITIVITY					
		ENGLISH				SI	
PHYSICAL							
Weight, Max.	Type	0.46	oz	13	grams		
Connector [3]	Tapped Hole	10-32 Coaxial		10-32 Coaxial			
Mounting Provision	Housing	10-32 UNF-2B		10-32 UNF-2B			
Material	Connector	Alloy 600		Alloy 600			
	Material	Alloy X-750		Alloy X-750			
Element Style	Material	Single Crystal		Single Crystal			
	Type	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	[7]	m/s ²		
Frequency Range, ±5%		[4] to 3000	Hz	[4] to 3000	Hz		
Frequency Range, ±10%		[4] to 5000	Hz	[4] to 5000	Hz		
Resonant Frequency		> 17	kHz	> 17	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, Max.		0.0005	g/με	0.005	m/s ² /με		
Insulation Resistance, (Connector pin to case)		at 75°F	>1.0	MΩ	at 24°C	>1.0	MΩ
		at 1000°F	>0.25	MΩ	at 538°C	>0.25	MΩ
		at 75°F	>10	MΩ	at 24°C	>10	MΩ
Insulation Resistance (Case to Base)		at 1000°F	>1.0	MΩ	at 538°C	>1.0	MΩ
			Base Isolated		Base Isolated		
Ground Isolation							
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 +1000	°F	-51 to +538	°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)	
		3316D1	1 to 2	[4] to 5000	X- Negative	-60 to +1000	
		3316D2	1 to 2	[4] to 5000	Y- Negative	-60 to +1000	
		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					
		3) Model 6377 Removal wrench, Qty. 1					
		Notes:					
		[1] Measured at 100Hz, 10 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 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] This parameter depends on the gain settings of charge amplifier used					
		[8] U.S. Patent number US 8,375,793 B2 applies to this unit.					
		[9] Triaxial mounting base model 6460 available.					
							
							
							
		Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3316C2 for more information.					
		21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax:818.700.7880 www.dytran.com					
		For permission to reprint this content, please contact info@dytran.com					