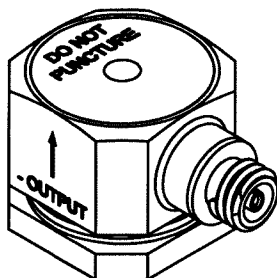


PROPRIETARY AND CONFIDENTIAL

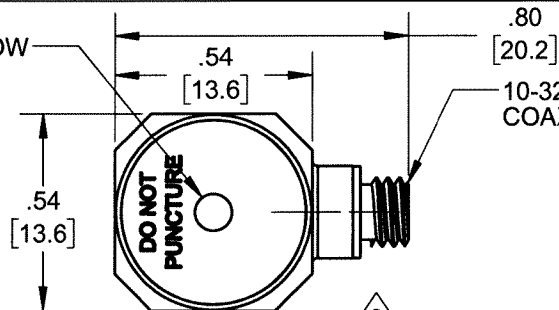
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REVISIONS

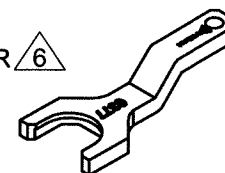
REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
C	13509	NOTE 4: CONNECTOR MATERIAL: WAS: 304L PASSIVATED IS: ALLOY X-750	AM 06/14/17	LN	AS
D	15602	REVISED RECOMMENDED ACCESSORIES	KG 02/27/20	⌘	W



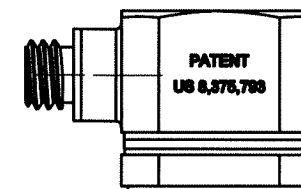
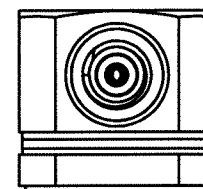
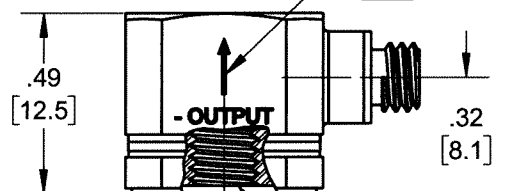
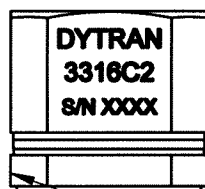
8 SILVER WINDOW



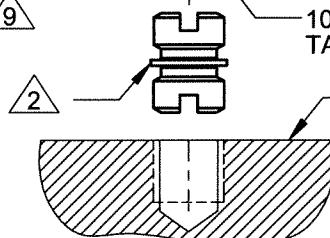
10-32 UNF-2A COAXIAL CONNECTOR 6



REMOVAL WRENCH, MODEL 6377, SUPPLIED



10-32 UNF-2B TAPPED HOLE



MOUNTING RECOMMENDATION:
PREPARE A .55 [14] X .55 [14] MIN SURFACE, FLAT TO .001 TIR.
TAP 10-32 UNF-2B ∇ .15 [3.8] MIN.
MOUNTING TORQUE: 10-12 Lb-in.

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

CONTRACT NO.



Chatsworth, CA

MASTER
ONLY IF IN RED

TITLE:

**OUTLINE/INSTALLATION DWG,
MODEL 3316C2**

APPROVALS		DATE
ORIG	LN	07/16/14
CHK	EP	10/08/15
APP	RT	10/08/15
APP		

SIZE	CAGE CODE	DWG. NO.	REV
A	2W033	127-3316C2	D
SCALE: NONE		SOLIDWORKS	SHEET 1 OF 1

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.

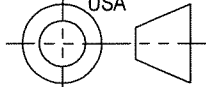
UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES.
DIMENSIONS IN BRACKETS []
ARE IN MILLIMETERS
TOLERANCES ARE:
INCHES METRIC ANGLES
.XX ± .03 .X ± 0.8 ± 1°
.XXX ± .010 .XX ± 0.25


MATERIAL
FINISH
DO NOT SCALE DRAWING

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.

USED ON NEXT ASSY
APPLICATION

THIRD ANGLE PROJECTION
USA



Model Number 3316C2		PERFORMANCE SPECIFICATION				DOC NO PS3316C2					
		SINGLE AXIS CHARGE MODE ACCELEROMETER				REV F, ECN 15602, 03/02/20					
		<ul style="list-style-type: none">• Z-AXIS DIRECTIONAL OUTPUT• BASE ISOLATED• HERMETICALLY SEALED• HIGH TEMPERATURE OPERATION• LOW BASE STRAIN SENSITIVITY									
		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, 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 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.									
PHYSICAL		ENGLISH		SI							
Weight, Max.		0.46		oz		13		grams			
Connector [3]		Type		10-32 Coaxial		10-32 Coaxial					
Mounting Provision		Tapped Hole		10-32 UNF-2B		10-32 UNF-2B					
Material		Housing		Alloy 600		Alloy 600					
		Connector		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/μe		0.005		m/s ² /μe			
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			
Insulation Resistance (Case to Base)		at 75°F >10		MΩ		at 24°C >10		MΩ			
		at 1000°F >1.0		MΩ		at 538°C >1.0		MΩ			
Ground Isolation		Base Isolated				Base Isolated					
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			