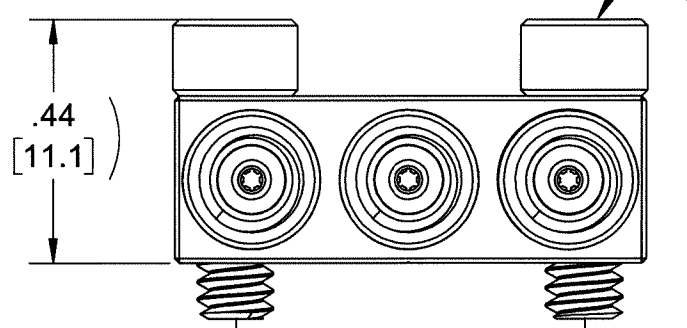
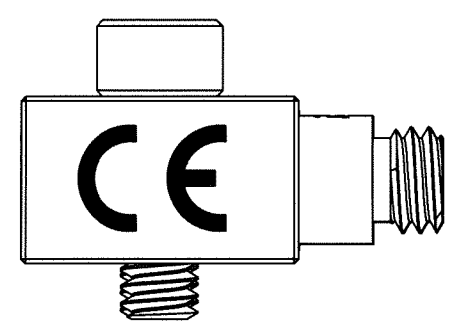
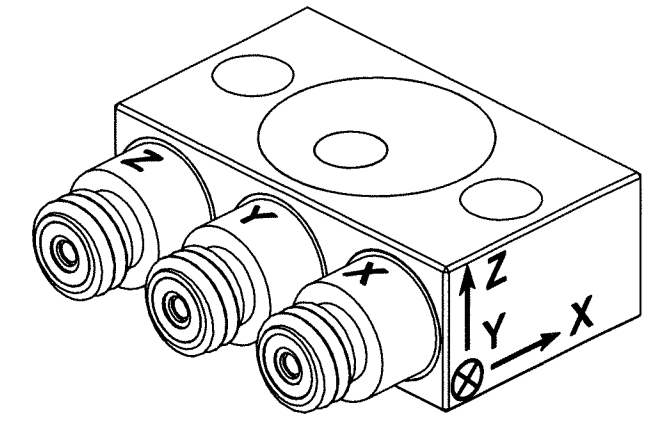
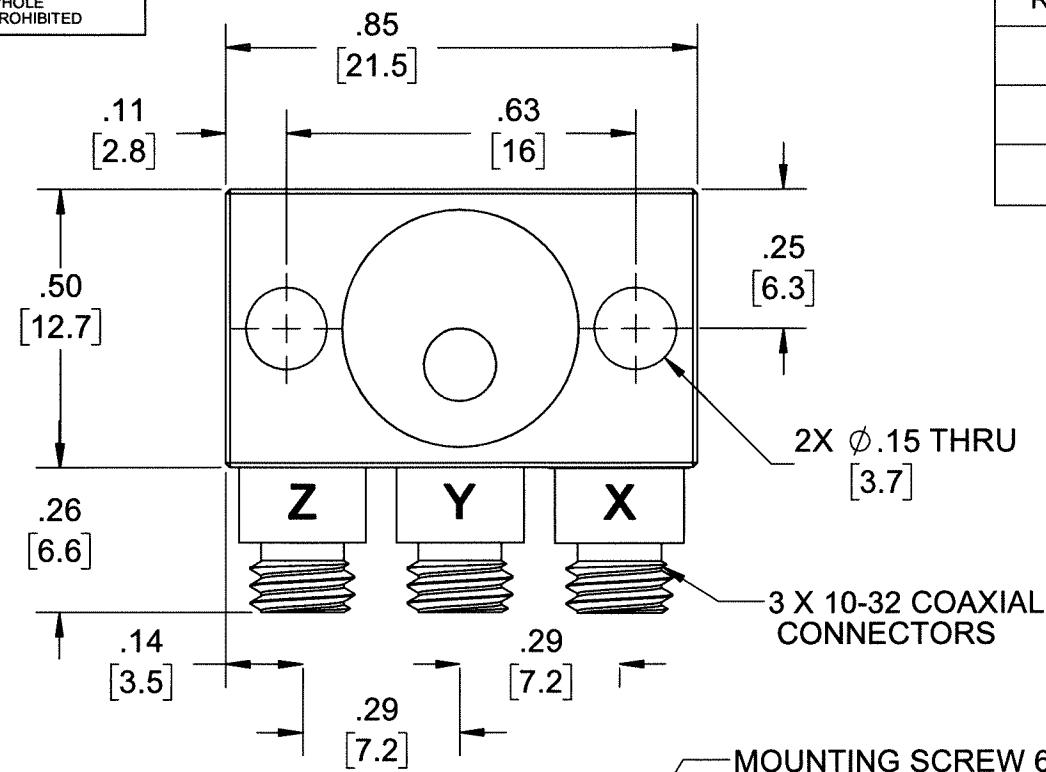


PROPRIETARY AND CONFIDENTIAL

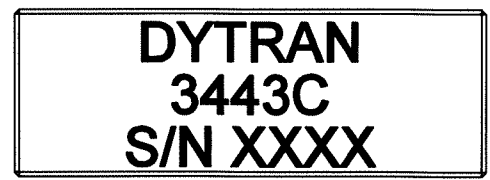
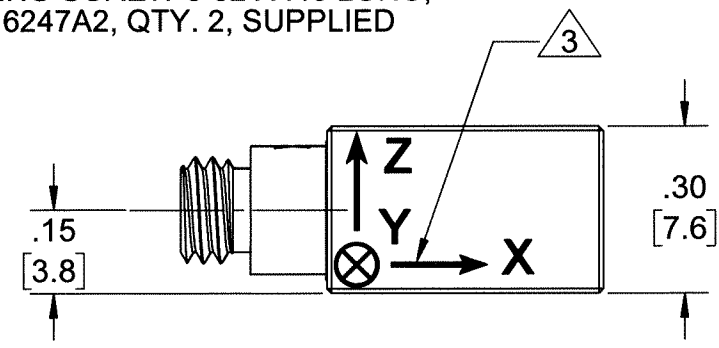
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REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	9723	INITIAL RELEASE	LN 09/11/13	AB	DV
B	13045	ADDED CE MARKING AND CE TO TITLE OF DRAWING	JS 11/08/16	LA	AS
C	15395	UPDATED NOTE 4 (ISOLATION BASE RECOMMENDATION)	KG 11/06/19		W



MOUNTING SCREW 6-32 X .40 LONG, MODEL 6247A2, QTY. 2, SUPPLIED



RECOMMENDED MOUNTING PREPARATION: TAP 2X 6-32 X .30 MIN ∇. ASSURE SURFACE FLATNESS BETTER THAN .001 TIR. MOUNTING TORQUE: 4-5 Lb-in

- 6. ALIGNMENT MARKINGS MIGHT BE VISIBLE AT BOTTOM MOUNTING SURFACE.
 - 5. OPERATING TEMPERATURE: -94°F TO +500°F [-70°C TO +260°C]
 - 4. ISOLATED MOUNTING BASES, MODELS 69071, 69072, OR 69073, AVAILABLE.
 - 3. ARROWS INDICATE DIRECTION OF ACCELERATION FOR NEGATIVE CHARGE OUTPUT
 - 2. MATERIAL: TITANIUM ALLOY
 - 1. WEIGHT: 10 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. DIMENSIONS APPLY AFTER FINISHING.		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS TOLERANCES ARE:		MASTER ONLY IF IN RED Chatsworth, CA	
DECIMALS .XX ±.03 .XXX ±.010	METRIC .X ± 0.8 .XX ± 0.25	ANGLES ±1°	TITLE: OUTLINE/INSTALLATION DWG, TRIAXIAL ACCEL, MODEL 3443C, CE CERTIFIED		
APPROVALS		DATE	SIZE	CAGE CODE	DWG NO
ORIG	RT	12/11/12	B	2W033	127-3443C
CHK	AB	09/12/13	SCALE: 3:1		
APP	DV	09/19/13			
DO NOT SCALE DRAWING			THIRD ANGLE PROJECTION	REV	
				C	
					SHEET 1 OF 1



- LIGHT WEIGHT
- HERMETICALLY SEALED
- HIGH TEMPERATURE OPERATION (500°F)
- CE CERTIFIED

PHYSICAL

Weight, Max
 Connector Type
 Mounting Provision : Thru Hole
 Material Housing
 Connector Material
 Element Type

	ENGLISH		SI	
Weight, Max	0.35	oz	10.0	grams
Connector Type	3 X 10-32 Coaxial		3 X 10-32 Coaxial	
Mounting Provision : Thru Hole	2 X Ø.150		2 X Ø 3.7	mm
Material Housing	Titanium		Titanium	
Connector Material	Titanium		Titanium	
Element Type	Ceramic		Ceramic	
	Planar Shear		Planar Shear	

PERFORMANCE

Sensitivity [1], ± 30%
 Measurement Range
 Frequency Range, ±5%
 Frequency Range, ±10%
 Resonant Frequency
 Capacitance per Axis, Nom
 Linearity [2]
 Maximum Transverse sensitivity
 Insulation resistance, (Connector pin to case)

	ENGLISH		SI	
Sensitivity [1], ± 30%	2.7	pC/g	0.28	pC/m/s ²
Measurement Range	[5]	g pk	[5]	m/s ² pk
Frequency Range, ±5%	[3] to 5000	Hz	[3] to 5000	Hz
Frequency Range, ±10%	[3] to 10000	Hz	[3] to 10000	Hz
Resonant Frequency	> 25	kHz	> 25	kHz
Capacitance per Axis, Nom	490	pF	490	pF
Linearity [2]	± 1%	% F.S.	± 1%	% F.S.
Maximum Transverse sensitivity	6	%	6	%
Insulation resistance, (Connector pin to case)	at 70°F >10 ¹²	Ω	at 21°C >10 ¹²	Ω
	at 500°F >10 ⁸	Ω	at 260°C > 10 ⁸	Ω

ENVIRONMENTAL

Maximum Vibration
 Maximum Shock
 Temperature Range
 Seal
 Radiation Exposure Limit (Integrated Neutron Flux)
 Radiation Exposure Limit (Integrated Gamma Flux)

	ENGLISH		SI	
Maximum Vibration	±3000	g pk	±29430	m/s ² , pk
Maximum Shock	±5000	g pk	±49050	m/s ² , pk
Temperature Range	-94 to+500	°F	-70 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)

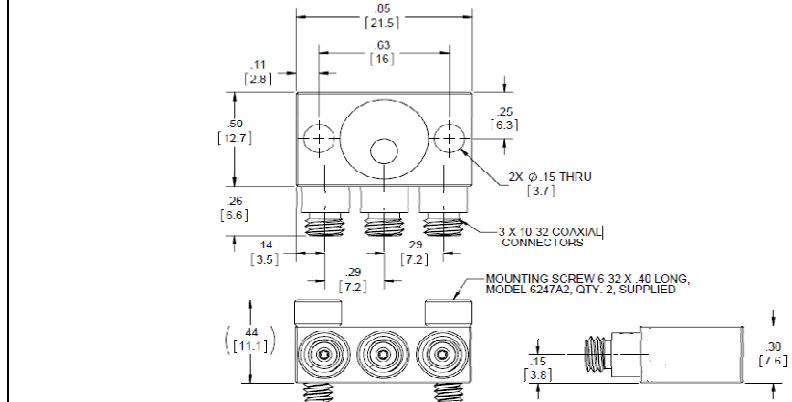
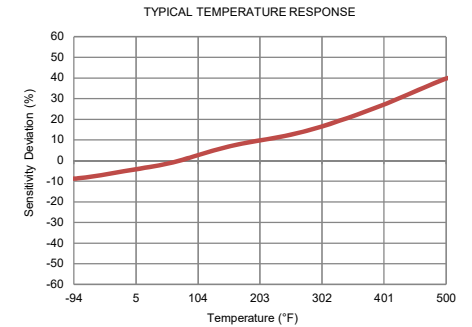
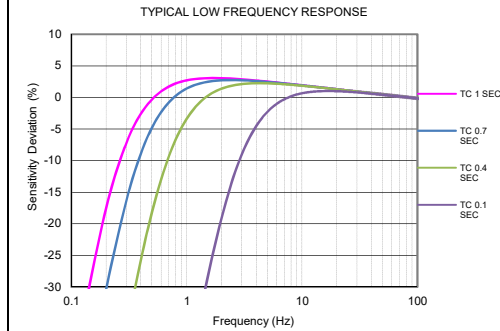
Refer to the performance specifications of the products in this family for detailed description.

Supplied Accessories:

- 1) Accredited calibration certificate (ISO 17025)
- 2) Model 6247A2 mounting screw (6-32), qty 2

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 the discharge time constant of the charge amplifier used. See graph below for example.
 - [4] Isolated mounting base, Models 69071, 69072, or 69073, available.
 - [5] This parameter depends on the gain settings of the charge amplifier used.
 - [6] 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 overtime. 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 127-3443C for more information.

