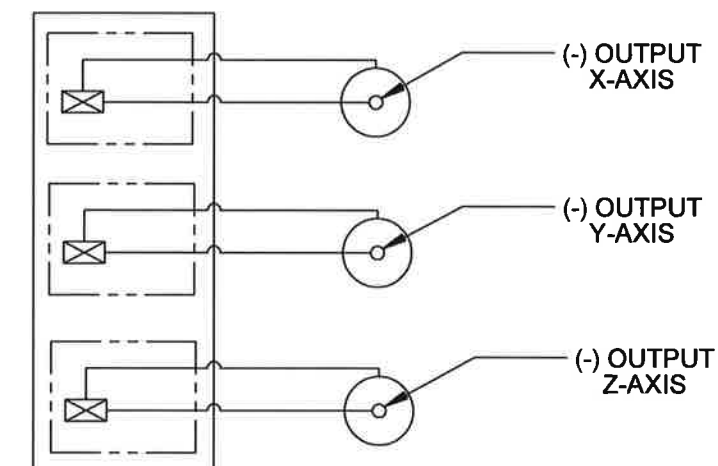
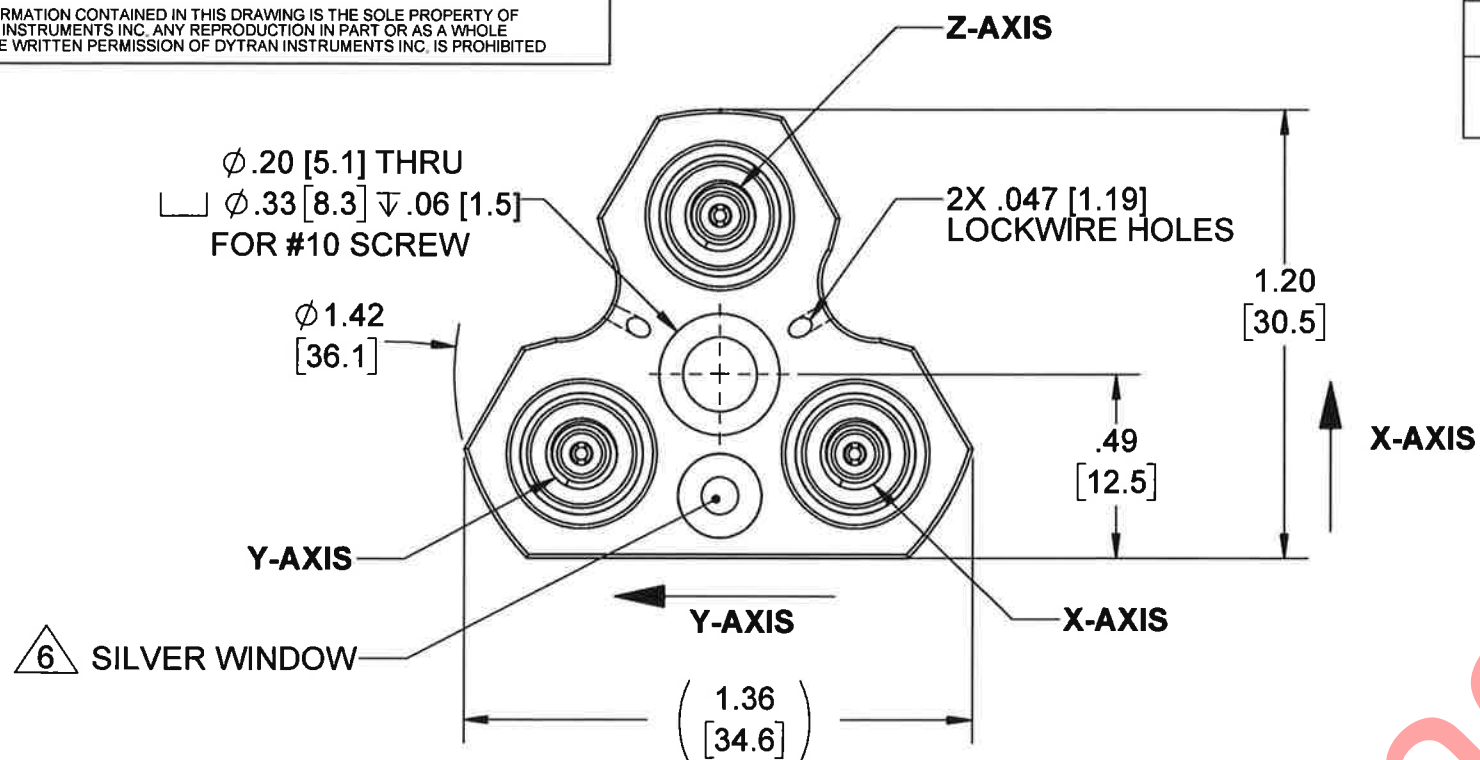


PROPRIETARY AND CONFIDENTIAL

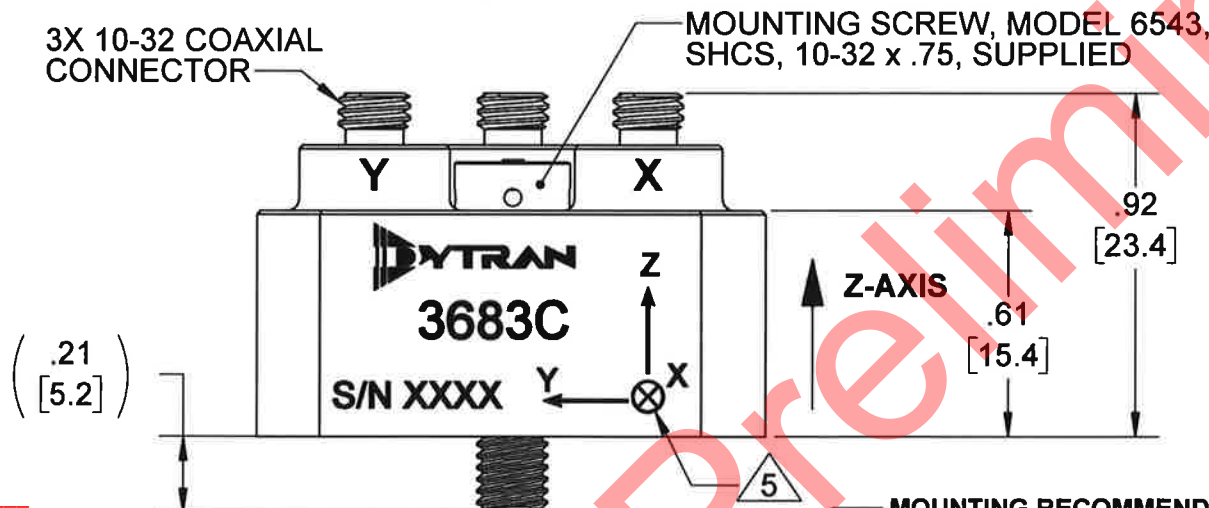
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REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
X1		PRELIMINARY RELEASE	LN 03/28/17	PF 4/18/17	



SCHEMATIC DIAGRAM



MOUNTING RECOMMENDATION:
 PREPARE A $\phi 1.50$ [38.1] MIN SURFACE, FLAT TO .001 TIR.
 TAP 10-32 UNF-2B $\nabla .25$ [6.4] MIN.
 MOUNTING TORQUE: 10-12 Lb-in.



Signature: _____
 Print Name: _____
 Date: _____

6 US PATENT NUMBER US 8,375,793 B2

5 ARROWS INDICATE DIRECTION OF ACCELERATION FOR NEGATIVE (-) OUTPUT

- 4. MAXIMUM OPERATING TEMPERATURE: 1000°F [538°C]
 - 3. CHARGE SENSITIVITY: 1.0 - 2.0 pC/g
 - 2. WEIGHT: 65 GRAMS, MAX.
 - 1. HOUSING MATERIAL: ALLOY 600
- 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: $\sqrt{63}$ 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 ±.8			±1°
.XXX ±.010	.XX ±0.25			

APPROVALS		DATE
ORIG	LN	03/13/17
CHK		
APP		

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION USA

DYTRAN INSTRUMENTS, INC. Chatsworth, CA

TITLE: **OUTLINE/INSTALLATION DWG, HIGH TEMP TRIAX, ISOLATED, 3683C**

SIZE	CAGE CODE	DWG NO	REV
B	2W033	127-3683C	X1

SCALE: 2:1 SHEET 1 OF 1



- HERMETICALLY SEALED
- 1000°F [538°C] OPERATION
- CASE GROUND ISOLATED

PHYSICAL

Weight, Max.	Type
Connector	
Mounting Provision	
Material	Housing
Element Style	Material
	Type

ENGLISH		SI	
2.28	oz	65	grams
3X 10-32		3X 10-32	
Thru Hole, #10 Screw		Thru Hole, #10 Screw	
Alloy 600		Alloy 600	
Single Crystal		Single Crystal	
Shear		Shear	

PERFORMANCE

Sensitivity [1]	1 to 2	pC/g
Frequency Range, ±10%	[4] to 5000	Hz
Resonant Frequency	> 20	kHz
Capacitance	120	pF
Linearity [2]	± 1%	% F.S.
Maximum Transverse Sensitivity	6	%
Base Strain Sensitivity	0.001	g/με
Insulation Resistance	at 75°F >1.0E8	Ω
	at 1000°F >1.0E5	Ω
Output Polarity	Negative	

0.10 to 0.20	pC/m/s ²
[4] to 5000	Hz
> 20	kHz
120	pF
± 1%	% F.S.
6	%
0.01	m/s ² /με
at 75°F >1.0E8	Ω
at 1000°F >1.0E5	Ω
Negative	

ENVIRONMENTAL

Maximum Vibration	±6,000	G, peak
Maximum Shock	±10,000	G, peak
Temperature Range	-67 to +1000	°F
Seal	Hermetic	
Ground Isolation	Case Isolated	

±58860	m/s ² , peak
±98100	m/s ² , peak
-55 to +538	°C
Hermetic	
Case Isolated	

This family also includes:

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

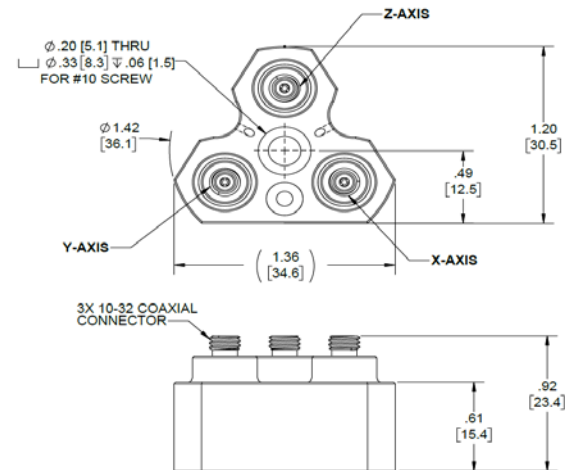
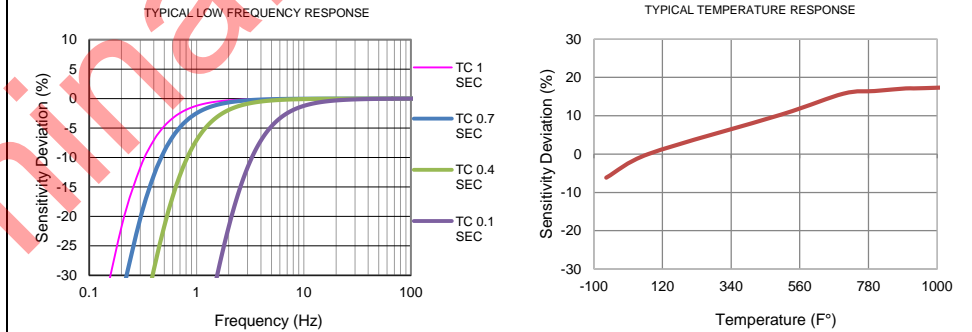
Refer to the performance specifications of the products in this family for detailed description.

Supplied Accessories:

- 1) Accredited calibration certificate (ISO 17025)
- 2) Mounting screw, model 6543A (SHCS, 10-32 X .75), 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] 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] U.S. Patent number US 8,375,793 B2 applies to this unit.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3683C for more information.

Signature: _____

Print Name: _____

Date: _____

