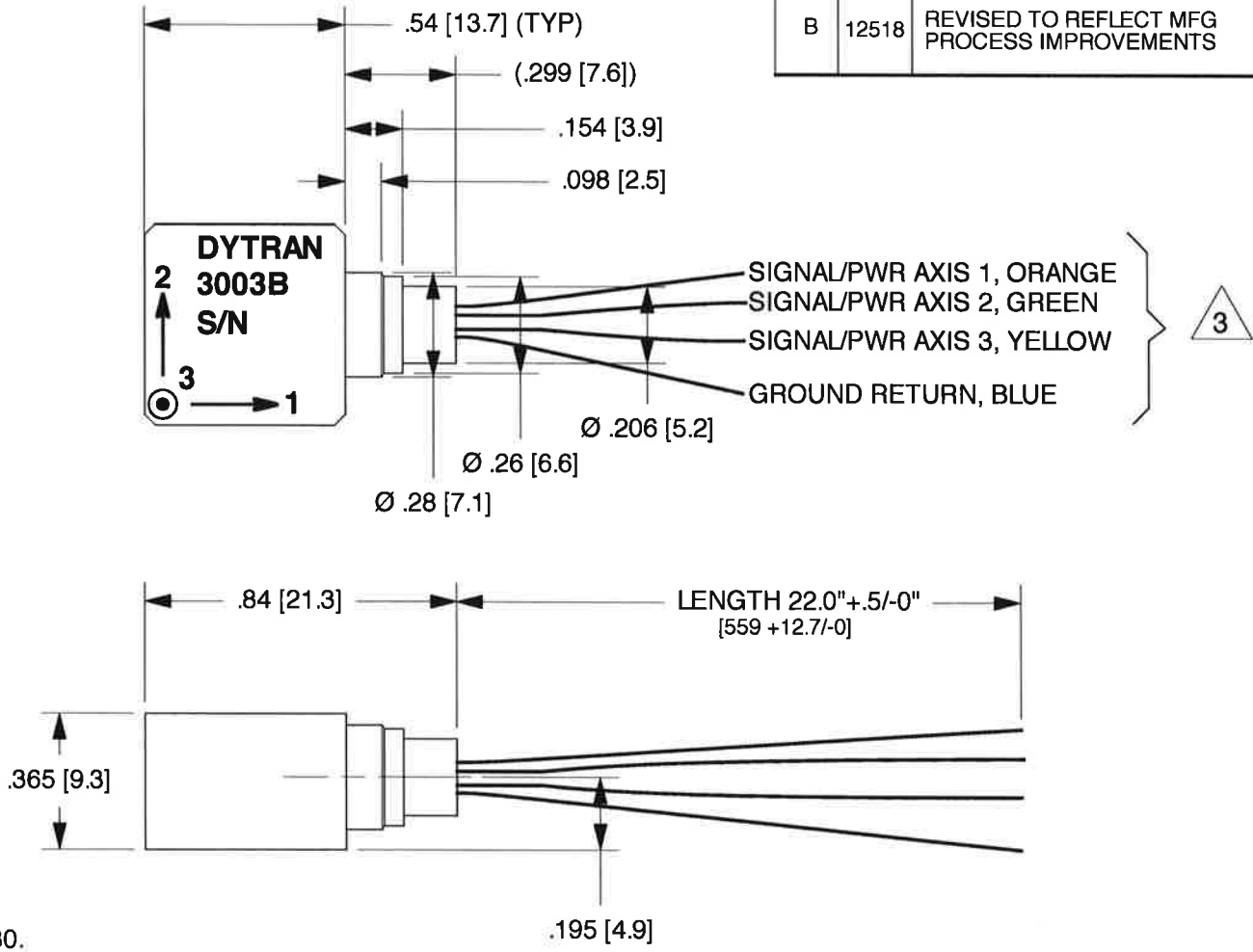


DYTRAN PROPRIETARY AND CONFIDENTIAL
 THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF
 DYTRAN INSTRUMENTS, INC. AND ANY REPRODUCTION IN PART OR AS A WHOLE
 OR ANY OTHER DISSEMINATION OF THIS INFORMATION WITHOUT THE WRITTEN
 PERMISSION OF DYTRAN INSTRUMENTS, INC. IS PROHIBITED.

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	9105	REVISED AND REDRAWN	RA, 09/10/12	LN	AS
B	12518	REVISED TO REFLECT MFG PROCESS IMPROVEMENTS	EM, 02/22/16	MH	RT



3 WIRE SIZE IS AWG 30.

2. HOUSING MATERIAL: TITANIUM ALLOY.

1. WEIGHT: 6 GRAMS.

NOTES: UNLESS OTHERWISE SPECIFIED

3003M6	USED ON	NEXT ASSY
APPLICATION		
THIRD ANGLE PROJECTION USA		

UNLESS OTHERWISE SPECIFIED:
 INTERPRET DIM & TOL PER ASME
 Y14.5M-1994. REMOVE BURRS
 COUNTERSINKS INTERNAL THDS 90°
 TO MAJOR DIA CHAM EXT THDS 45° TO
 MAJOR DIA THD LENGTHS AND
 DEPTHS ARE FOR THDS PER MIL-S-
 7742
 DIMENSIONS APPLY AFTER FINISHING.

ALL MACHINED SURFACES
 TOTAL RUNOUT WITHIN .005 BREAK
 SHARP EDGES .005 TO .010 MACHINE
 FILLET RADI .005 TO .015 WELDING
 SYMBOLS PER AWS A2.4
 ABBREVIATIONS PER MIL-STD-12

CONTRACT NO.		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. DIMENSION IN BRACKETS [] ARE IN MILLIMETERS. TOLERANCES ARE:		
INCHES	METRIC	ANGLES
.XX ± .03	X ± .08	± 1°
.XXX ± .010	.XX ± .025	
FINISH		
DO NOT SCALE DRAWING		

		MASTER ONLY IF IN RED		CHATSWORTH, CA.	
SCALE 2X	DESIGN NC	DATE 10/03/06			
DRAWN NC	DATE 10/03/06	PART NO.			
CHECKED RA	DATE 01/04/06	MAT'L			REV B
APPROVED NC	DATE 01/04/06	NEXT ASSEMBLY		USED ON	3003B
TITLE OUTLINE/INSTALLATION DRAWING, MODEL 3003B				DWG NO. 127-3003B	
				SHEET 1 OF 1	



- 4 WIRE INTEGRAL CABLE
- LOW BIAS VOLTAGE
- EXCELLENT LINEARITY
- HERMETICALLY SEALED

PHYSICAL

Weight
Connector, Type
Mounting
Material, Housing/Connector
Sensing Element

ENGLISH		SI	
0.21	oz	6.0	grams
4 Wire Integral Cable		4 Wire Integral Cable	
Adhesive Mount		Adhesive Mount	
Titanium Alloy		Titanium Alloy	
Quartz		Quartz	

PERFORMANCE

Sensitivity, ±10% [1]
Range, Full Scale (each axis)
Frequency Response, ± 3dB
Resonant Frequency
Equivalent Electrical Noise
Linearity [2]
Maximum Transverse sensitivity
Full Scale Voltage Output

2.0	mV/g	0.20	mV/m/s ²
±500	g	±4905	m/s ²
2 to 5000	Hz	2 to 5000	Hz
>30	kHz	>30	kHz
0.020	grms	0.20	m/s ² rms
±1	% F.S.	±1	% F.S.
5	%	5	%
±1	Volts	±1	Volts

ENVIRONMENTAL

Maximum Vibration
Maximum Shock
Temperature Range
Seal [3]
Base Strain Sensitivity @ 250µε

±600	gpeak	±5886	m/s ² peak
±5000	gpeak	±49050	m/s ² peak
-40 to +347	°F	-40 to +175	°C
Hermetic		Hermetic	
< 0.1	g/µε	< 1.0	m/s ² /µε

ELECTRICAL

Supply Current (each axis) [4]
Compliance Voltage, Nom (each axis)
Output Impedance, Typ.
Bias Voltage
Discharge Time Constant
Ground Isolation

4.0	mA	4.0	mA
+4.5	Volts	+4.5	Volts
100	Ω	100	Ω
+1.7 to +3.4	VDC	+1.7 to +3.4	VDC
0.25 to 0.75	Sec	0.25 to 0.75	Sec
[5]		[5]	

This family also includes:

Model	Sensitivity (mV/g)	Frequency Response (Hz)	Time Constant (Sec)	Operating Temp (°F)

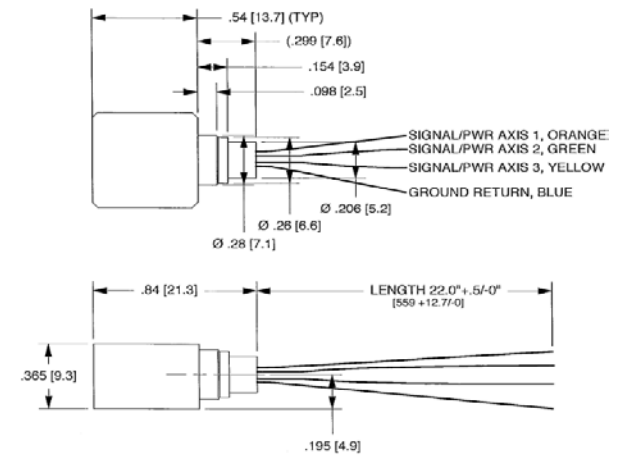
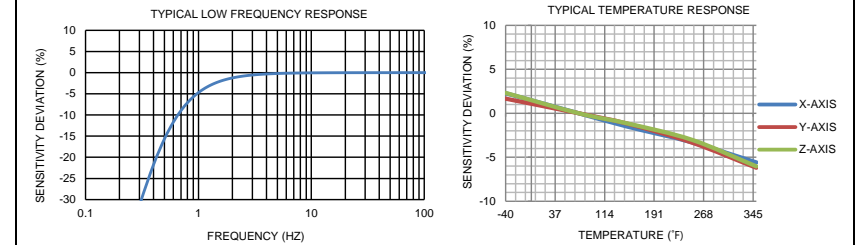
Refer to the performance specifications of the products in this family for detailed description

Supplied Accessories:

- 1) Accredited calibration certificate (ISO 17025)

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] Connection wires from connector are epoxy sealed.
- [4] Do not apply power to this system without current limiting, 4 mA MAX. To do so will destroy the IC charge amplifier.
- [5] None, case is connected to Sig Return.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3003B for more information.

