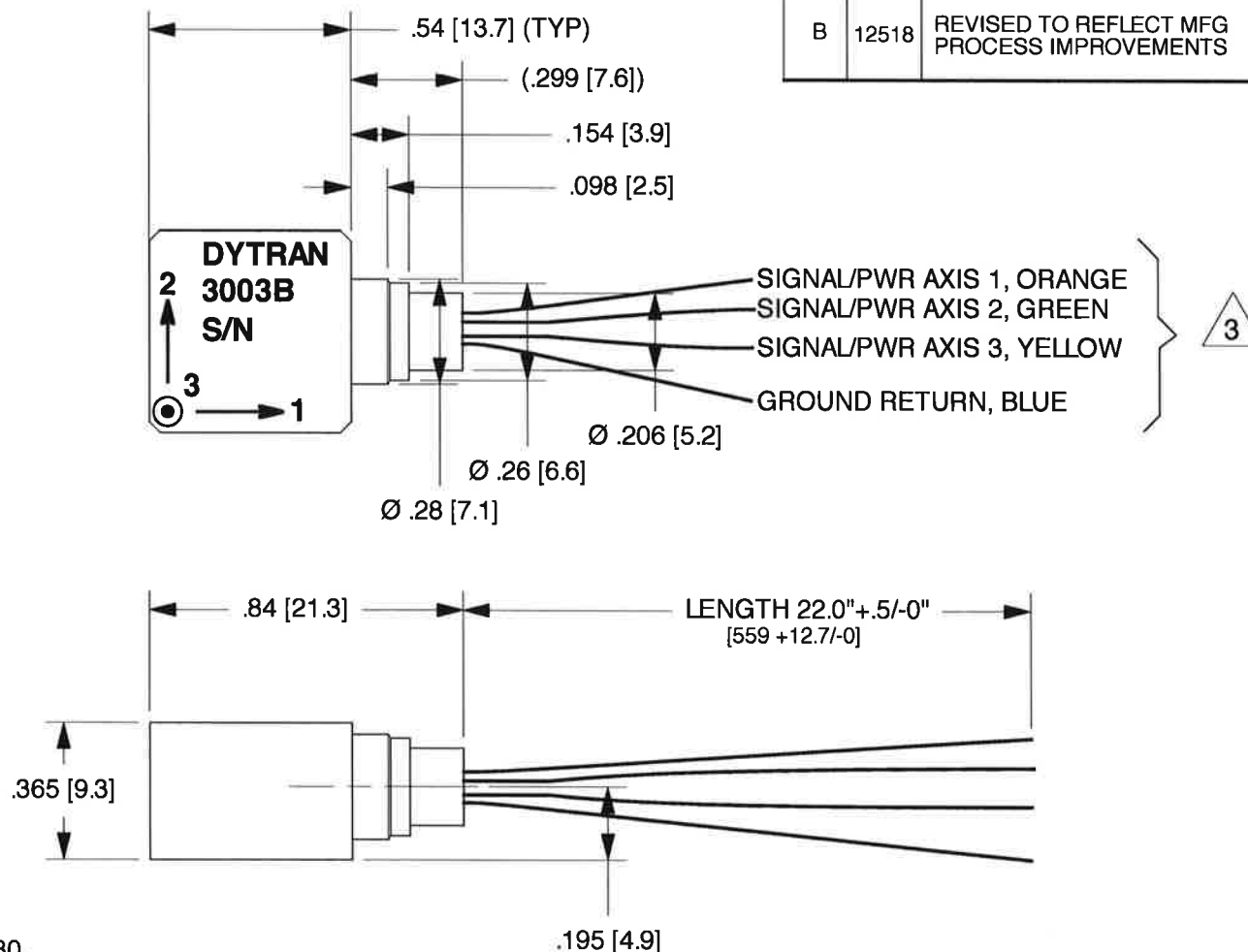


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REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	9105	REVISED AND REDRAWN	RA, 09/10/12	LN	AS
B	12518	REVISED TO REFLECT MFG PROCESS IMPROVEMENTS	EM, 02/22/16	MH	RT



3 WIRE SIZE IS AWG 30.

2. HOUSING MATERIAL: TITANIUM ALLOY.

1. WEIGHT: 6 GRAMS.

NOTES: UNLESS OTHERWISE SPECIFIED

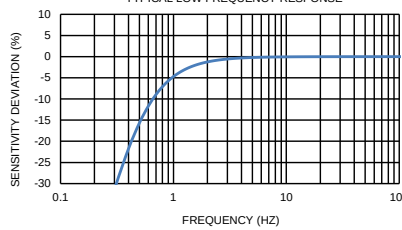
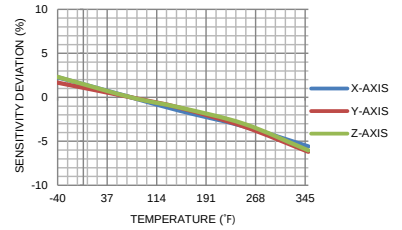
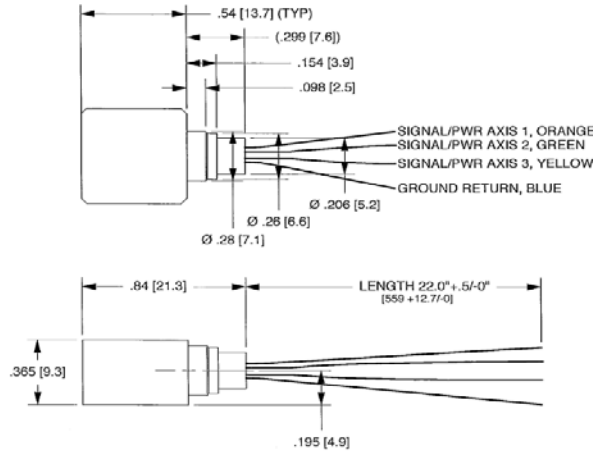
3003M6 USED ON APPLICATION THIRD ANGLE PROJECTION USA		UNLESS OTHERWISE SPECIFIED: INTERPRET DIM & TOL PER ASME Y14.5M-1994. REMOVE BURRS COUNTERSINKS INTERNAL THDS 90° TO MAJOR DIA CHAM EXT THDS 45° TO MAJOR DIA THD LENGTHS AND DEPTHS ARE FOR THDS PER MIL-S- 7742 DIMENSIONS APPLY AFTER FINISHING. ALL 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	SCALE 2X DESIGN NC DATE 10/03/06 DRAWN NC DATE 10/03/06 CHECKED RA DATE 01/04/06 APPROVED NC DATE 01/04/06	PART NO. MAT'L NEXT ASSEMBLY USED ON 3003B DWG NO. 127-3003B SHEET 1 OF 1
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MASTER
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CHATSORTH, CA.

OUTLINE/INSTALLATION DRAWING,
 MODEL 3003B

Model Number 3003B	PERFORMANCE SPECIFICATIONS				DOC NO PS3003B
				IEPE ACCELEROMETER	REV B, ECN 14398, 08/10/18
		• 4 WIRE INTEGRAL CABLE • LOW BIAS VOLTAGE • EXCELLENT LINEARITY • HERMETICALLY SEALED			
PHYSICAL		ENGLISH		SI	
Weight	0.21	oz	6.0	grams	
Connector, Type	4 Wire Integral Cable		4 Wire Integral Cable		
Mounting	Adhesive Mount		Adhesive Mount		
Material, Housing/Connector	Titanium Alloy		Titanium Alloy		
Sensing Element	Quartz		Quartz		
PERFORMANCE					
Sensitivity, ±10% [1]	2.0	mV/g	0.20	mV/m/s ²	
Range, Full Scale (each axis)	±500	g	±4905	m/s ²	
Frequency Response, ± 3dB	2 to 5000	Hz	2 to 5000	Hz	
Resonant Frequency	>30	kHz	>30	kHz	
Equivalent Electrical Noise	0.020	grms	0.20	m/s ² rms	
Linearity [2]	±1	% F.S.	±1	% F.S.	
Maximum Transverse sensitivity	5	%	5	%	
Full Scale Voltage Output	±1	Volts	±1	Volts	
ENVIRONMENTAL					
Maximum Vibration	±600	gpeak	±5886	m/s ² peak	
Maximum Shock	±5000	gpeak	±49050	m/s ² peak	
Temperature Range	-40 to +347	°F	-40 to +175	°C	
Seal [3]	Hermetic		Hermetic		
Base Strain Sensitivity @ 250µε	< 0.1	g/µε	< 1.0	m/s ² /µε	
ELECTRICAL					
Supply Current (each axis) [4]	4.0	mA	4.0	mA	
Compliance Voltage, Nom (each axis)	+4.5	Volts	+4.5	Volts	
Output Impedance, Typ.	100	Ω	100	Ω	
Bias Voltage	+1.7 to +3.4	VDC	+1.7 to +3.4	VDC	
Discharge Time Constant	0.25 to 0.75	Sec	0.25 to 0.75	Sec	
Ground Isolation	[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.					



21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax:818.700.7880 www.dytran.com
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