

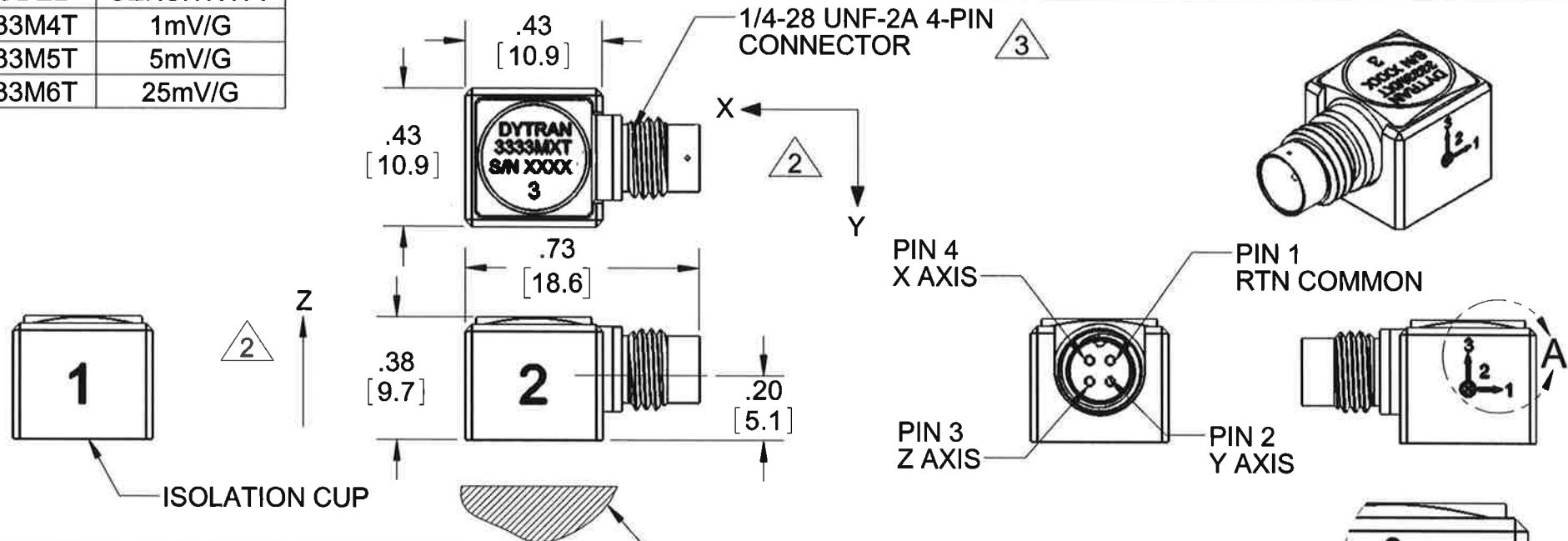
PROPRIETARY AND CONFIDENTIAL

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REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
B	12604	ADDED NOTE 5	JS 04/05/16	LA	LN

MODEL	SENSITIVITY
3333M4T	1mV/G
3333M5T	5mV/G
3333M6T	25mV/G



- MINOR VOIDS, SCARS, SCRATCHES AND MOUNTING BLEMISH/WITNESS MARKS ON EXTERIOR SURFACES ARE ALLOWED DUE TO RESTRAINING AND HANDLING DURING TESTING, TRANSPORT OR PROCESSING. THESE APPEAR AS INDICATORS THAT DO NOT AFFECT FORM, FIT OR FUNCTION AS INTENDED BY DESIGN OR APPLICATION
- HOUSING/CONNECTOR MATERIAL: TITANIUM ISOLATION CUP: ALUMINUM ALLOY 6061-T6, BLACK ANODIZED

- 3 MATES WITH DYTRAN 6811AXX CABLE
- 2 ARROWS INDICATE DIRECTIONS OF ACCELERATION FOR POSITIVE OUTPUT
1. WEIGHT: 4.0 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. THDS PER MIL-S-7742. DIMENSIONS APPLY AFTER FINISHING.	
USED ON	NEXT ASSY
APPLICATION	
THIRD ANGLE PROJECTION USA	
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.	

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	


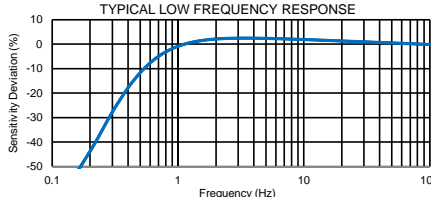
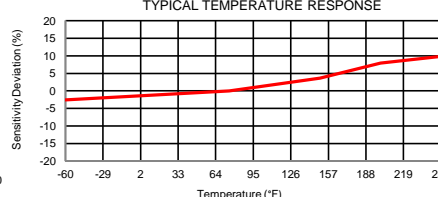
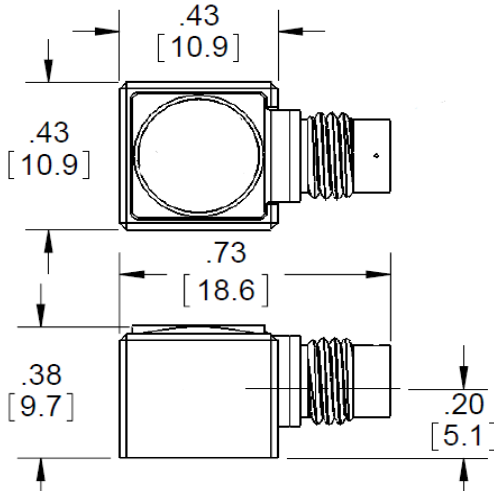
CONTRACT NO.




TITLE:

OUTLINE/INSTALLATION
DRAWING, 3333M4T

SIZE	CAGE CODE	DWG. NO.	REV
A	2W033	127-3333M4T	B
SCALE: 2:1		SOLIDWORKS	SHEET 1 OF 1

MODEL NUMBER 3333M4T		PERFORMANCE SPECIFICATION				DOC NO PS3333M4T																			
		Accelerometer, Triaxial, IEPE				REV C, ECN 12879, 08/12/16																			
		<ul style="list-style-type: none">• ULTRA LOW FREQUENCY RESPONSE• ULTRA LOW NOISE LEVEL• CASE ISOLATED• HERMETICALLY SEALED				This family also includes: <table><tr><th>Model</th><th>Sensitivity (mV/g)</th><th>Range (Gpeak)</th><th>Resolution (Grms)</th><th>Oper. Temp(*F)</th><th>Time Constant (sec)</th></tr><tr><td>3333M5T</td><td>5</td><td>1000</td><td>0.0072</td><td>-60 to +225</td><td>0.5 - 1.5</td></tr><tr><td>3333M6T</td><td>25</td><td>200</td><td>0.0024</td><td>-60 to +225</td><td>0.5 - 1.5</td></tr></table>		Model	Sensitivity (mV/g)	Range (Gpeak)	Resolution (Grms)	Oper. Temp(*F)	Time Constant (sec)	3333M5T	5	1000	0.0072	-60 to +225	0.5 - 1.5	3333M6T	25	200	0.0024	-60 to +225	0.5 - 1.5
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3333M5T	5	1000	0.0072	-60 to +225	0.5 - 1.5																				
3333M6T	25	200	0.0024	-60 to +225	0.5 - 1.5																				
PHYSICAL		ENGLISH		SI																					
Weight, Max		0.14	oz	4.0	grams																				
Mounting		Adhesive		Adhesive																					
Connector [1]	Type	4-pin		4-pin																					
	Material	Ti-6 AL-4V		Ti-6 AL-4V																					
Housing	Material	Ti-6 AL-4V		Ti-6 AL-4V																					
Isolation Cup	Material	Anodized Aluminum		Anodized Aluminum																					
Sensing Element	Material	Ceramic		Ceramic																					
	Mode	Shear		Shear																					
PERFORMANCE																									
Sensitivity, +15-10% [2]		1	mV/g	0.10	mV/m/s ²																				
Acceleration Range		+/-5000	Gpeak	+/-49050	m/s ² peak																				
Frequency Range, +15/-10%		.65-10,000	Hz	.65-10,000	Hz																				
Resonance Frequency		>24	kHz	>24	kHz																				
Linearity [3]		1	%F.S.	1	%F.S.																				
Transverse Sensitivity Max		6	%	6	%																				
Noise floor		0.03	Grms	0.294	m/s ² rms																				
Spectral Noise	1Hz	62900	μGrms/sqr(Hz)	617049	μm/s ² rms/sqr(Hz)																				
	10Hz	1100	μGrms/sqr(Hz)	10791	μm/s ² rms/sqr(Hz)																				
	100Hz	670	μGrms/sqr(Hz)	6573	μm/s ² rms/sqr(Hz)																				
	1000Hz	310	μGrms/sqr(Hz)	3041	μm/s ² rms/sqr(Hz)																				
	10000Hz	160	μGrms/sqr(Hz)	1570	μm/s ² rms/sqr(Hz)																				
ENVIRONMENTAL																									
Shock Max		7000	g pk	68670	m/s ²																				
Vibration Max		6000	g pk	58860	m/s ²																				
Operating Temperature		-60 to +250	°F	-51 to +121	°C																				
TEDs Operating Temperature		-40 to +185	°F	-40 to +85	°C																				
Base Strain Sensitivity		0.06	g/με	0.59	m/s ² /με																				
Seal		Hermetic		Hermetic																					
ELECTRICAL																									
Supply Current Range [4]		2 to 20	mA	2 to 20	mA																				
Compliance Voltage Range		+18 to +30	VDC	+18 to +30	VDC																				
Output Impedance, Typ.		100	Ω	100	Ω																				
Output Bias Voltage		11 to 13	VDC	11 to 13	VDC																				
Discharge Time Constant		0.5 - 1.5	sec	0.5 - 1.5	sec																				
Case Isolation		10	GΩ	10	GΩ																				
TEDS Feature		IEEE 1451.4		IEEE 1451.4																					
																									
																									
																									
		Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3333M4T for more information.																							



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