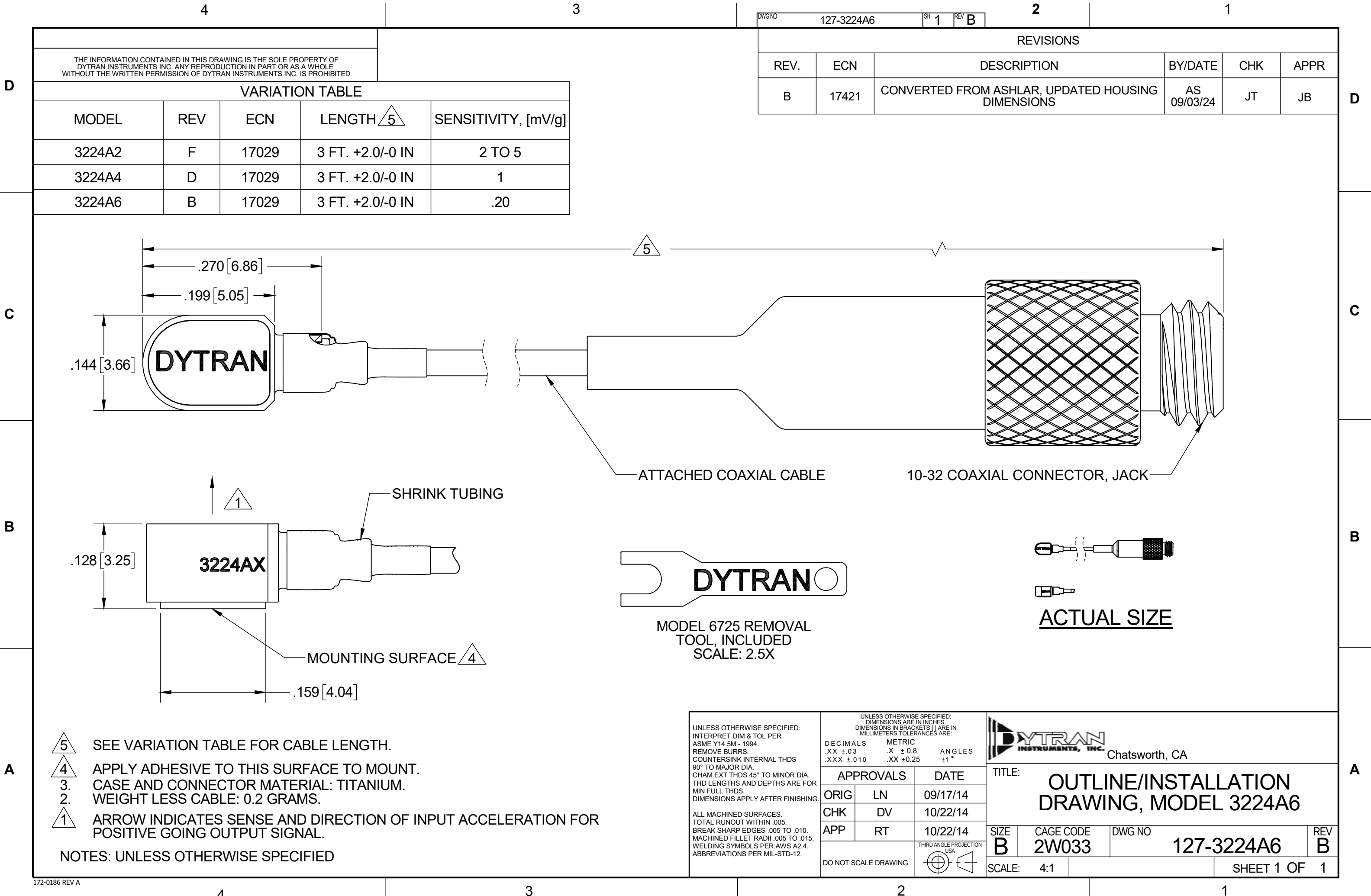


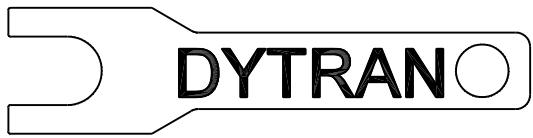
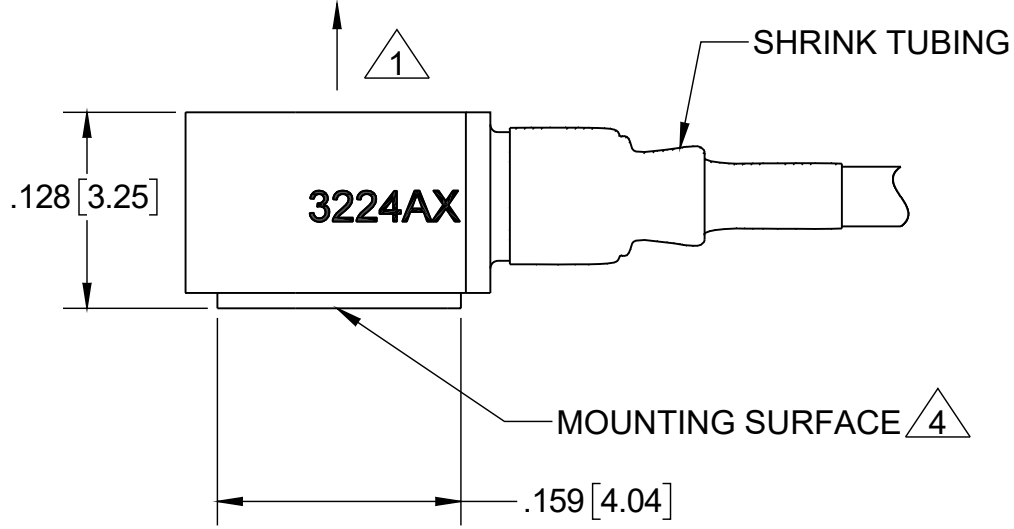
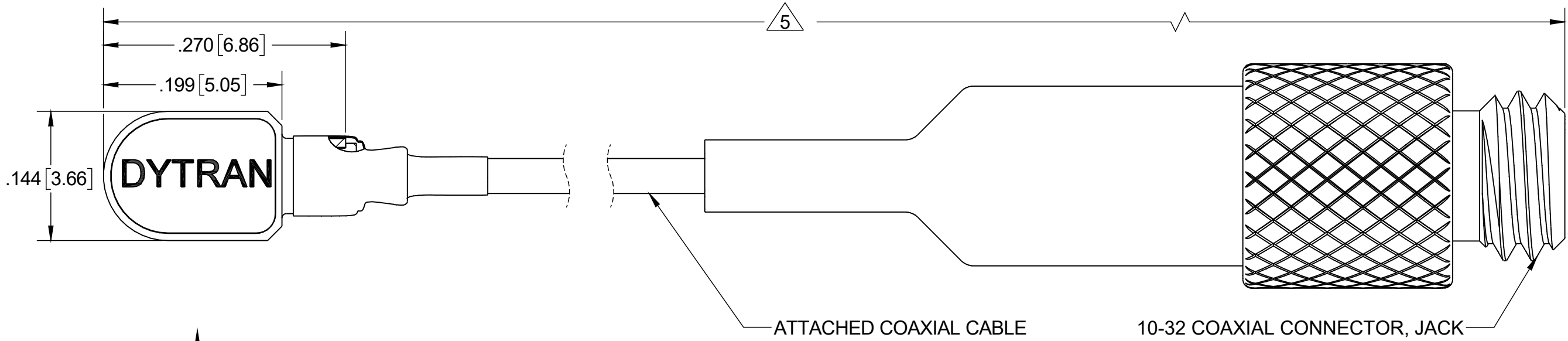


THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF
DYTRAN INSTRUMENTS INC. ANY REPRODUCTION IN PART OR AS A WHOLE
WITHOUT THE WRITTEN PERMISSION OF DYTRAN INSTRUMENTS INC. IS PROHIBITED

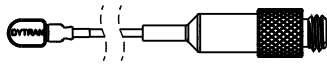
VARIATION TABLE

MODEL	REV	ECN	LENGTH 	SENSITIVITY, [mV/g]
3224A2	F	17029	3 FT. +2.0/-0 IN	2 TO 5
3224A4	D	17029	3 FT. +2.0/-0 IN	1
3224A6	B	17029	3 FT. +2.0/-0 IN	.20

DWGNO		127-3224A6		SH	1	REV	B	2		1	
REVISIONS											
REV.	ECN	DESCRIPTION					BY/DATE	CHK	APPR		
B	17421	CONVERTED FROM ASHLAR, UPDATED HOUSING DIMENSIONS					AS 09/03/24	JT	JB		



MODEL 6725 REMOVAL
TOOL, INCLUDED
SCALE: 2.5X



ACTUAL SIZE

- 5 SEE VARIATION TABLE FOR CABLE LENGTH.
- 4 APPLY ADHESIVE TO THIS SURFACE TO MOUNT.
3. CASE AND CONNECTOR MATERIAL: TITANIUM.
2. WEIGHT LESS CABLE: 0.2 GRAMS.
- 1 ARROW INDICATES SENSE AND DIRECTION OF INPUT ACCELERATION FOR POSITIVE GOING OUTPUT SIGNAL.

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.
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:

DECIMALS	METRIC	ANGLES
.XX ±.03	.X ±.08	±1°
.XXX ±.010	.XX ±0.25	

DYTRAN
INSTRUMENTS, INC. Chatsworth, CA

APPROVALS		DATE
ORIG	LN	09/17/14
CHK	DV	10/22/14
APP	RT	10/22/14

DO NOT SCALE DRAWING

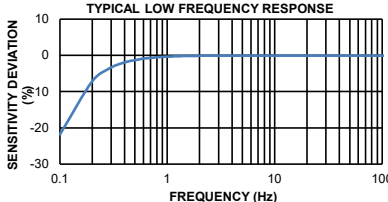
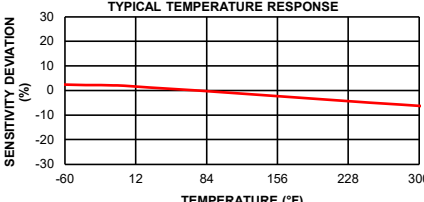
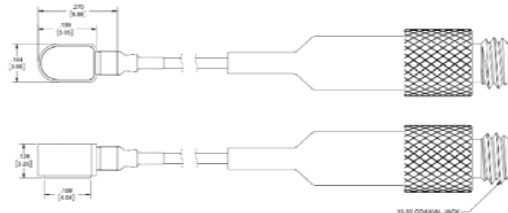
THIRD ANGLE PROJECTION
USA

TITLE: **OUTLINE/INSTALLATION
DRAWING, MODEL 3224A6**

SIZE B	CAGE CODE 2W033	DWG NO 127-3224A6	REV B
------------------	---------------------------	-----------------------------	-----------------

SCALE: 4:1

SHEET 1 OF 1

MODEL NUMBER		PERFORMANCE SPECIFICATION				DOC NO.																																					
3224A6						PS3224A6																																					
		IEPE ACCELEROMETER				REV M, ECN 17269, 11/29/23																																					
		• MINIATURE SIZE • EPOXY SEALED CABLE CONNECTION				This family also includes: <table><thead><tr><th>Model</th><th>Sensitivity (mV/g)</th><th>Range (g pk)</th><th>Resolution (g RMS)</th><th>Oper. Temp(*F)</th><th>TC (sec)</th></tr></thead><tbody><tr><td>3224A1</td><td>9 to 14</td><td>500</td><td>0.023</td><td>-60 to 300</td><td>0.9 to 1.5</td></tr><tr><td>3224A2</td><td>2 to 5</td><td>2500</td><td>0.03</td><td>-60 to 300</td><td>0.3 to 1.0</td></tr><tr><td>3224A3</td><td>5 to 10</td><td>1000</td><td>0.037</td><td>-60 to 300</td><td>1.1 to 1.5</td></tr><tr><td>3224A4</td><td>1 to 2.5</td><td>5000</td><td>0.08</td><td>-60 to 300</td><td>0.3 to 1.0</td></tr><tr><td>3224A5</td><td>9 to 14</td><td>500</td><td>0.023</td><td>-60 to 300</td><td>1.1 to 1.5</td></tr></tbody></table>		Model	Sensitivity (mV/g)	Range (g pk)	Resolution (g RMS)	Oper. Temp(*F)	TC (sec)	3224A1	9 to 14	500	0.023	-60 to 300	0.9 to 1.5	3224A2	2 to 5	2500	0.03	-60 to 300	0.3 to 1.0	3224A3	5 to 10	1000	0.037	-60 to 300	1.1 to 1.5	3224A4	1 to 2.5	5000	0.08	-60 to 300	0.3 to 1.0	3224A5	9 to 14	500	0.023	-60 to 300	1.1 to 1.5
Model	Sensitivity (mV/g)	Range (g pk)	Resolution (g RMS)	Oper. Temp(*F)	TC (sec)																																						
3224A1	9 to 14	500	0.023	-60 to 300	0.9 to 1.5																																						
3224A2	2 to 5	2500	0.03	-60 to 300	0.3 to 1.0																																						
3224A3	5 to 10	1000	0.037	-60 to 300	1.1 to 1.5																																						
3224A4	1 to 2.5	5000	0.08	-60 to 300	0.3 to 1.0																																						
3224A5	9 to 14	500	0.023	-60 to 300	1.1 to 1.5																																						
		Please, refer to the performance specifications of the products in this family for detailed description.																																									
PHYSICAL		<table><thead><tr><th>ENGLISH</th><th>SI</th></tr></thead><tbody><tr><td>0.007</td><td>0.2</td></tr><tr><td>[1]</td><td>[1]</td></tr><tr><td>Integral cable</td><td>Integral cable</td></tr><tr><td>Titanium</td><td>Titanium</td></tr><tr><td>Planar Shear Quartz</td><td>Planar Shear Quartz</td></tr></tbody></table>		ENGLISH	SI	0.007	0.2	[1]	[1]	Integral cable	Integral cable	Titanium	Titanium	Planar Shear Quartz	Planar Shear Quartz	<table><thead><tr><th>ENGLISH</th><th>SI</th></tr></thead><tbody><tr><td>0.007</td><td>0.2</td></tr><tr><td>[1]</td><td>[1]</td></tr><tr><td>Integral cable</td><td>Integral cable</td></tr><tr><td>Titanium</td><td>Titanium</td></tr><tr><td>Planar Shear Quartz</td><td>Planar Shear Quartz</td></tr></tbody></table>		ENGLISH	SI	0.007	0.2	[1]	[1]	Integral cable	Integral cable	Titanium	Titanium	Planar Shear Quartz	Planar Shear Quartz	grams													
ENGLISH	SI																																										
0.007	0.2																																										
[1]	[1]																																										
Integral cable	Integral cable																																										
Titanium	Titanium																																										
Planar Shear Quartz	Planar Shear Quartz																																										
ENGLISH	SI																																										
0.007	0.2																																										
[1]	[1]																																										
Integral cable	Integral cable																																										
Titanium	Titanium																																										
Planar Shear Quartz	Planar Shear Quartz																																										
PERFORMANCE		<table><thead><tr><th>ENGLISH</th><th>SI</th></tr></thead><tbody><tr><td>0.2</td><td>0.020</td></tr><tr><td>25,000</td><td>245250</td></tr><tr><td>0.2 to 20,000</td><td>0.2 to 20,000</td></tr><tr><td>>95</td><td>>95</td></tr><tr><td>0.67</td><td>6.57</td></tr><tr><td>± 1 %</td><td>± 1%</td></tr><tr><td>5%</td><td>5%</td></tr><tr><td>0.14</td><td>1.37</td></tr></tbody></table>		ENGLISH	SI	0.2	0.020	25,000	245250	0.2 to 20,000	0.2 to 20,000	>95	>95	0.67	6.57	± 1 %	± 1%	5%	5%	0.14	1.37	<table><thead><tr><th>ENGLISH</th><th>SI</th></tr></thead><tbody><tr><td>0.2</td><td>0.020</td></tr><tr><td>25,000</td><td>245250</td></tr><tr><td>0.2 to 20,000</td><td>0.2 to 20,000</td></tr><tr><td>>95</td><td>>95</td></tr><tr><td>0.67</td><td>6.57</td></tr><tr><td>± 1 %</td><td>± 1%</td></tr><tr><td>5%</td><td>5%</td></tr><tr><td>0.14</td><td>1.37</td></tr></tbody></table>		ENGLISH	SI	0.2	0.020	25,000	245250	0.2 to 20,000	0.2 to 20,000	>95	>95	0.67	6.57	± 1 %	± 1%	5%	5%	0.14	1.37	mV/g g pk Hz kHz g RMS %F.S g/µε mV/ m/s ² m/s ² pk Hz kHz m/s ² RMS %F.S m/s ² /µε	
ENGLISH	SI																																										
0.2	0.020																																										
25,000	245250																																										
0.2 to 20,000	0.2 to 20,000																																										
>95	>95																																										
0.67	6.57																																										
± 1 %	± 1%																																										
5%	5%																																										
0.14	1.37																																										
ENGLISH	SI																																										
0.2	0.020																																										
25,000	245250																																										
0.2 to 20,000	0.2 to 20,000																																										
>95	>95																																										
0.67	6.57																																										
± 1 %	± 1%																																										
5%	5%																																										
0.14	1.37																																										
ENVIRONMENTAL		<table><thead><tr><th>ENGLISH</th><th>SI</th></tr></thead><tbody><tr><td>28,000</td><td>274400</td></tr><tr><td>-60 to +300</td><td>-51 to 149</td></tr><tr><td>Laser Welded, Epoxy sealed Cable</td><td>Laser Welded, Epoxy sealed Cable</td></tr><tr><td>0.000009</td><td>0.8829</td></tr></tbody></table>		ENGLISH	SI	28,000	274400	-60 to +300	-51 to 149	Laser Welded, Epoxy sealed Cable	Laser Welded, Epoxy sealed Cable	0.000009	0.8829	<table><thead><tr><th>ENGLISH</th><th>SI</th></tr></thead><tbody><tr><td>28,000</td><td>274400</td></tr><tr><td>-60 to +300</td><td>-51 to 149</td></tr><tr><td>Laser Welded, Epoxy sealed Cable</td><td>Laser Welded, Epoxy sealed Cable</td></tr><tr><td>0.000009</td><td>0.8829</td></tr></tbody></table>		ENGLISH	SI	28,000	274400	-60 to +300	-51 to 149	Laser Welded, Epoxy sealed Cable	Laser Welded, Epoxy sealed Cable	0.000009	0.8829	g pk °F g/Gauss m/s ² pk °C m/s ² /T																	
ENGLISH	SI																																										
28,000	274400																																										
-60 to +300	-51 to 149																																										
Laser Welded, Epoxy sealed Cable	Laser Welded, Epoxy sealed Cable																																										
0.000009	0.8829																																										
ENGLISH	SI																																										
28,000	274400																																										
-60 to +300	-51 to 149																																										
Laser Welded, Epoxy sealed Cable	Laser Welded, Epoxy sealed Cable																																										
0.000009	0.8829																																										
ELECTRICAL		<table><thead><tr><th>ENGLISH</th><th>SI</th></tr></thead><tbody><tr><td>2 to 20</td><td>2 to 20</td></tr><tr><td>18 to +30</td><td>18 to +30</td></tr><tr><td>100</td><td>100</td></tr><tr><td>+7 to +9</td><td>+7 to +9</td></tr><tr><td>2.0 to 4.0</td><td>2.0 to 4.0</td></tr><tr><td>Positive</td><td>Positive</td></tr><tr><td>[6]</td><td>[6]</td></tr></tbody></table>		ENGLISH	SI	2 to 20	2 to 20	18 to +30	18 to +30	100	100	+7 to +9	+7 to +9	2.0 to 4.0	2.0 to 4.0	Positive	Positive	[6]	[6]	<table><thead><tr><th>ENGLISH</th><th>SI</th></tr></thead><tbody><tr><td>2 to 20</td><td>2 to 20</td></tr><tr><td>18 to +30</td><td>18 to +30</td></tr><tr><td>100</td><td>100</td></tr><tr><td>+7 to +9</td><td>+7 to +9</td></tr><tr><td>2.0 to 4.0</td><td>2.0 to 4.0</td></tr><tr><td>Positive</td><td>Positive</td></tr><tr><td>[6]</td><td>[6]</td></tr></tbody></table>		ENGLISH	SI	2 to 20	2 to 20	18 to +30	18 to +30	100	100	+7 to +9	+7 to +9	2.0 to 4.0	2.0 to 4.0	Positive	Positive	[6]	[6]	mA V Ω VDC sec VDC sec					
ENGLISH	SI																																										
2 to 20	2 to 20																																										
18 to +30	18 to +30																																										
100	100																																										
+7 to +9	+7 to +9																																										
2.0 to 4.0	2.0 to 4.0																																										
Positive	Positive																																										
[6]	[6]																																										
ENGLISH	SI																																										
2 to 20	2 to 20																																										
18 to +30	18 to +30																																										
100	100																																										
+7 to +9	+7 to +9																																										
2.0 to 4.0	2.0 to 4.0																																										
Positive	Positive																																										
[6]	[6]																																										
		TYPICAL LOW FREQUENCY RESPONSE TYPICAL TEMPERATURE RESPONSE 																																									
		Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3224A4 for more information.																																									



21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax: 818.698.0362 www.dytran.com For permission to reprint this content, please contact info@dytran.com