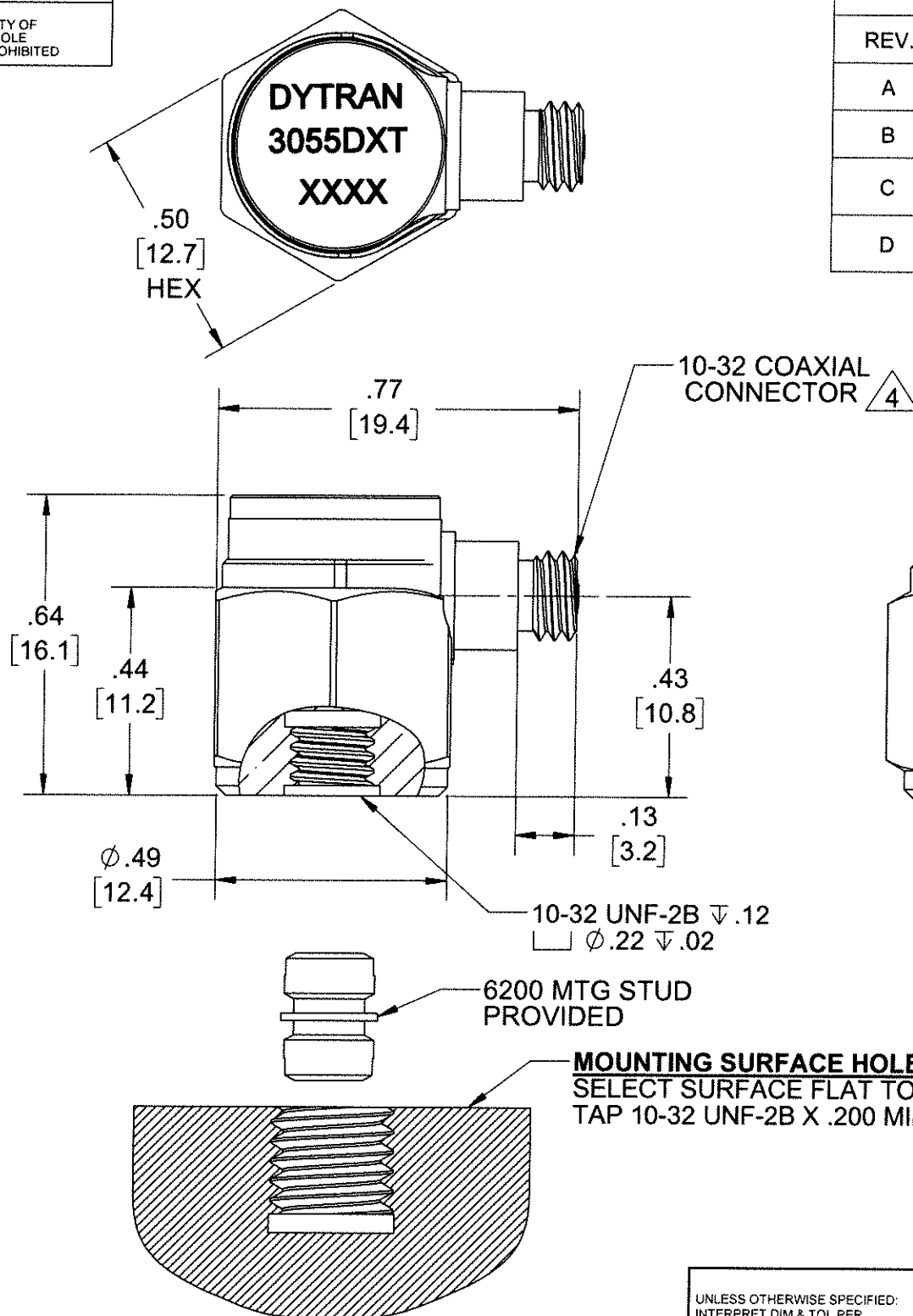


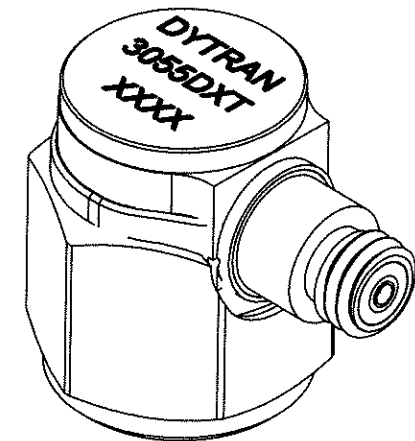
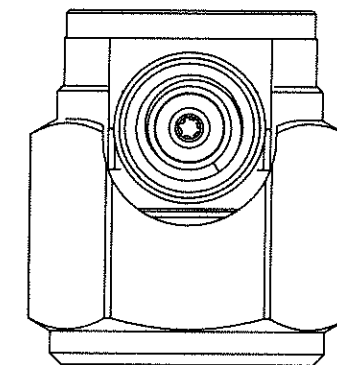
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MODEL	SENSITIVITY
3055D1T	10 mV/g
3055D2T	100 mV/g
3055D3T	500 mV/g
3055D4T	50 mV/g
3055D5T	20 mV/g
3055D6T	200 mV/g
3055D11T	1 mV/g
3055D12T	5 mV/g



DWG NO 127-3055DT SH 1 REV D

REVISIONS					
REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	11394	INITIAL RELEASE	RA, 11/06/14	EM	DV
B	11983	ADDED 3055D5T	LA 05/18/15	RT	DV
C	14310	ZONE B3 10-32 UNF WAS 10-32 UNC	DA, 6/27/18	RA	LN
D	14550	INITIAL RELEASE OF 3055D11T & 3055D12T, SAME AS C1	DP 10/02/18	RA	W



4 MATES WITH DYTRAN 6010AXX OR
6011AXX CABLE (XX=LENGTH IS FEET)

3. WEIGHT: 10 GRAMS, MAX.

2 ARROW INDICATES ACCELERATION DIRECTION FOR POSITIVE OUTPUT.

1. MATERIAL: TITANIUM ALLOY

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.
TOLERANCES ARE:

DECIMALS	METRIC	ANGLES
.XX $\pm$.03	X $\pm$ 0.8	$\pm$ 1°
.XXX $\pm$.010	XX $\pm$ 0.25	

APPROVALS		DATE
ORIG	RA	05/29/14
CHK	EM	11/06/14
APP	DV	12/17/14

DO NOT SCALE DRAWING

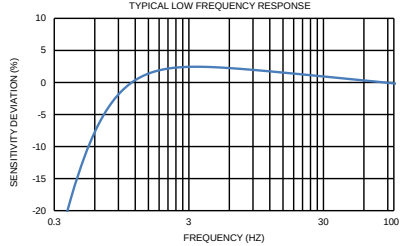
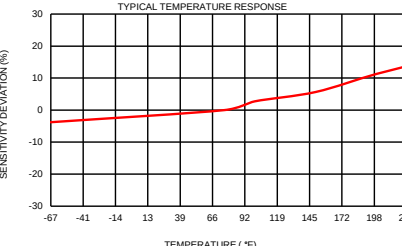
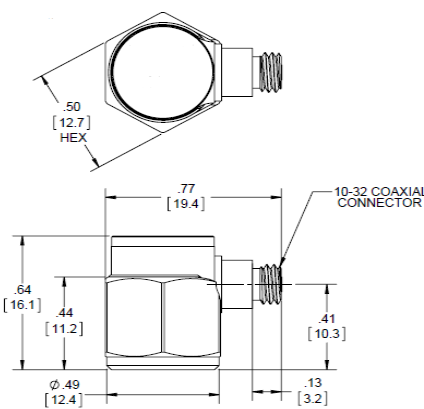


MASTER
ONLY IN RED

TITLE: OUTLINE/INSTALLATION,
ACCEL, ISOLATED, 10 MV/G,
SIDE 10-32 CONN

SIZE	CAGE CODE	DWG NO	REV
B	2W033	127-3055DT	D

SCALE: 3:1 PART NO: SHEET 1 OF 1

Model Number		PERFORMANCE SPECIFICATIONS				DOC NO																																									
3055D5T						PS3055D5T																																									
		IEPE ACCELEROMETER				REV E, ECN 16090, 03/01/21																																									
		• HERMETICALLY SEALED • BASE ISOLATED • IDEAL LOW FREQUENCY RESPONSE • TEDS				This family also includes: <table><thead><tr><th>Model</th><th>Sensitivity (mV/g)</th><th>Frequency Response (Hz)</th><th>Time Constant (Sec)</th><th>Operating Temp (°F)</th></tr></thead><tbody><tr><td>3055D1T</td><td>10</td><td>1 to 10000</td><td>0.5 to 1.5</td><td>-60 to +250</td></tr><tr><td>3055D2T</td><td>100</td><td>1 to 10000</td><td>0.5 to 1.5</td><td>-60 to +250</td></tr><tr><td>3055D3T</td><td>500</td><td>1 to 10000</td><td>0.5 to 1.5</td><td>-60 to +225</td></tr><tr><td>3055D4T</td><td>50</td><td>1 to 10000</td><td>0.5 to 1.5</td><td>-60 to +250</td></tr><tr><td>3055D6T</td><td>200</td><td>1 to 10000</td><td>0.5 to 1.5</td><td>-60 to +225</td></tr><tr><td>3055D11T</td><td>1</td><td>1 to 10000</td><td>0.5 to 1.5</td><td>-60 to +250</td></tr><tr><td>3055D12T</td><td>5</td><td>1 to 10000</td><td>0.5 to 1.5</td><td>-60 to +250</td></tr></tbody></table>		Model	Sensitivity (mV/g)	Frequency Response (Hz)	Time Constant (Sec)	Operating Temp (°F)	3055D1T	10	1 to 10000	0.5 to 1.5	-60 to +250	3055D2T	100	1 to 10000	0.5 to 1.5	-60 to +250	3055D3T	500	1 to 10000	0.5 to 1.5	-60 to +225	3055D4T	50	1 to 10000	0.5 to 1.5	-60 to +250	3055D6T	200	1 to 10000	0.5 to 1.5	-60 to +225	3055D11T	1	1 to 10000	0.5 to 1.5	-60 to +250	3055D12T	5	1 to 10000	0.5 to 1.5	-60 to +250
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PHYSICAL		ENGLISH		SI		Refer to the performance specifications of the products in this family for detailed description																																									
Weight	Type	0.35	oz	10	grams																																										
Connector	Tapped Hole	10-32		10-32																																											
Mounting Provision		10-32 X .150 ↓		10-32 X .150 ↓																																											
Material, Housing/Connector		Titanium		Titanium																																											
Sensing Element		Ceramic		Ceramic																																											
Element Style		Planar Shear		Planar Shear																																											
PERFORMANCE						Supplied Accessories:																																									
Sensitivity, ± 5% [1]		20	mV/g	2	mV/m/s ²	1) Accredited calibration certificate (ISO 17025)																																									
Range for ± 5 Volts Output		250	g pk	2453	m/s ² pk	2) Model 6200 mounting stud, qty 1																																									
Frequency Response, ± 10%		1 to 10000	Hz	1 to 10000	Hz	Notes:																																									
Resonant Frequency		> 36	kHz	> 36	kHz	[1] Measured at 100Hz, 1 g RMS per ISA RP 37.2.																																									
Broad Band Resolution		0.003	g RMS	0.03	m/s ² RMS	[2] Measure using zero-based straight line method, % of F.S. or any lesser range.																																									
Linearity [2]		± 1	% F.S.	± 1	% F.S.	[3] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier.																																									
Maximum Transverse sensitivity		5	%	5	%	[4] In the interest of constant product improvement, we reserve the right to change specifications without notice.																																									
Strain Sensitivity @ 250µε		0.002	g/µε	0.02	m/s ² /µε	It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.																																									
ENVIRONMENTAL																																															
Maximum Shock		2000	g pk	19620	m/s ² pk																																										
Operating Temperature Range		-67 to +225	°F	-55 to +107	°C																																										
TEDS Operating Temperature		-40 to +185	°F	-40 to +85	°C																																										
Seal		Hermetic		Hermetic																																											
ELECTRICAL																																															
Supply Current Range [3]		2 to 20	mA	2 to 20	mA																																										
Compliance Voltage Range		+18 to +30	Volts	+18 to +30	Volts																																										
Output Impedence, Typ		100	Ω	100	Ω																																										
Bias Voltage		11 to 13	VDC	11 to 13	VDC																																										
Discharge Time Constant		0.5 to 1.5	Sec	0.5 to 1.5	Sec																																										
Electrical Isolation		10	GΩ,min	10	GΩ,min																																										
TEDS		IEEE 1451.4		IEEE 1451.4																																											
		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																																													