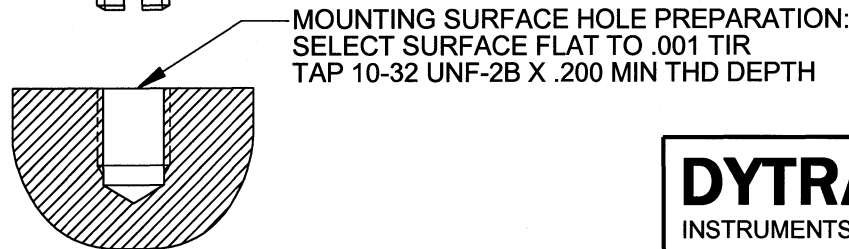
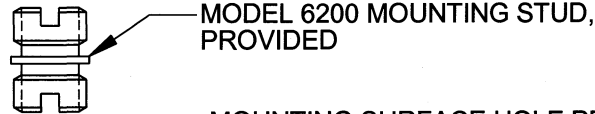
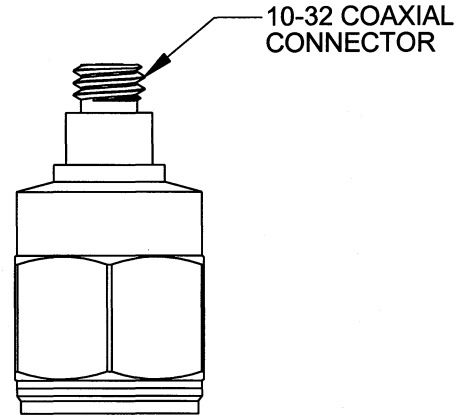
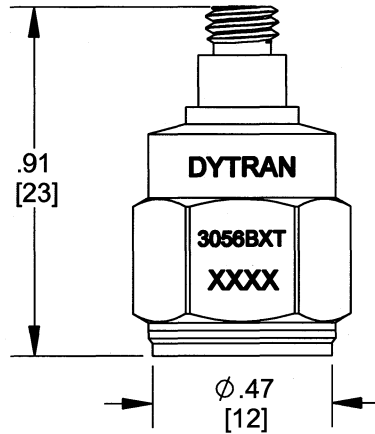
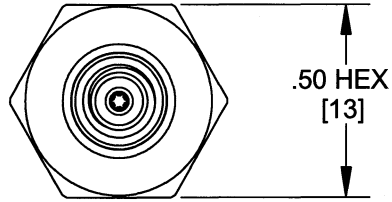


MODEL	SENSITIVITY	FULL SCALE
3056B1T	10 mV/g	±500g
3056B2T	100 mV/g	±50g
3056B3T	500 mV/g	±10g



DYTRAN

INSTRUMENTS, INC.

CHATSWORTH, CA

SCALE	2:1	REV	-	DATE	-	ECN	-
DATE	10/14/2005	PART NO.	3056BT SERIES				
DRAWN	<i>FML</i>	CHECKED	MATERIAL TITANIUM ALLOY				
APPROVED	<i>BML 10.14.05</i>	NEXT ASSEMBLY	USED ON		3056BT SERIES		
TITLE	OUTLINE / INSTALLATION DRAWING 3056BT SERIES ACCELEROMETER (TEDS)					DWG NO. 127-3056BT	
							SHEET 1 OF 1



SPECIFICATIONS
MODEL SERIES 3056BT IEPE ACCELEROMETERS WITH TEDS

SPECIFICATION	VALUE						UNITS
PHYSICAL							
WEIGHT	10						grams
SIZE, HEX x HEIGHT	.50 x 0.91						inches
MOUNTING PROVISION	10-32 X .150 DEEP TAPPED HOLE						
CONNECTOR, RADIALLY MOUNTED	10-32 coaxial						
MATERIAL, BASE, CAP & CONNECTOR	TITANIUM						
SEISMIC ELEMENT TYPE	CERAMIC, PLANAR SHEAR						
PERFORMANCE							
	3056B1T	3056B2T	3056B3T	3056B4T	3056B5T	3056B6T	
SENSITIVITY, ± 5% [1]	10	100	500	20	50	200	mV/g
RANGE F.S. FOR ± 5 VOLTS OUT	± 500	±50	±10	±250	±100	±25	g
FREQUENCY RANGE, ± 10%	1 to 10,000						Hz
RESONANT FREQUENCY	>32						kHz
ELECTRICAL NOISE (1Hz-10kHz)	.004	.0004	.0004	.002	.001	.0003	g rms
LINEARITY [2] (all models)	± 2						%F.S.
TRANSVERSE SENSITIVITY, MAX.	5						%
ENVIRONMENTAL							
	3056B1T	3056B2T	3056B3T	3056B4T	3056B5T	3056B6T	
MAXIMUM VIBRATION	600	400	200	600	500	300	±g
MAXIMUM SHOCK	3000	2000	1000	3000	3000	2000	gpk
TEMPERATURE RANGE	-60 to +250	-60 to +250	-60 to +225	-60 to +250	-60 to +250	-60 to +225	°F
SEAL, HERMETIC	Glass-to-metal/welded						
COEFFICIENT OF THERMAL SENS	.06						%/°F
ELECTRICAL							
SUPPLY CURRENT [3]	2 to 20						mA
COMPLIANCE VOLTAGE RANGE	18 to +30						V
OUTPUT IMPEDANCE, TYP.	100						Ω
BIAS VOLTAGE	+9 to +13						Vdc
DISCHARGE TIME CONSTANT	0.5 to 1.5						sec
OUTPUT SIGNAL POLARITY	Positive						
FOR ACCELERATION TOWARD TOP							
ELECTRICAL ISOLATION, MIN	10						MΩ
CASE GROUND TO MOUNTING SURFACE							

Accessories supplied: (1) Model 6200 mounting stud.

[1] Measured at 100 Hz, 1 g rms per ISA RP 37.2.

[2] Measured using zero-based best straight line method, % of F.S. or any lesser range.

[3] Do not apply power to this device without current limiting, 20 mA MAX. To do so will destroy the integral IC.