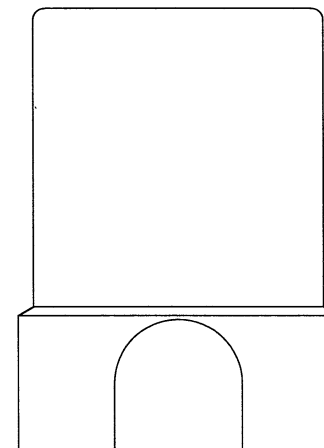
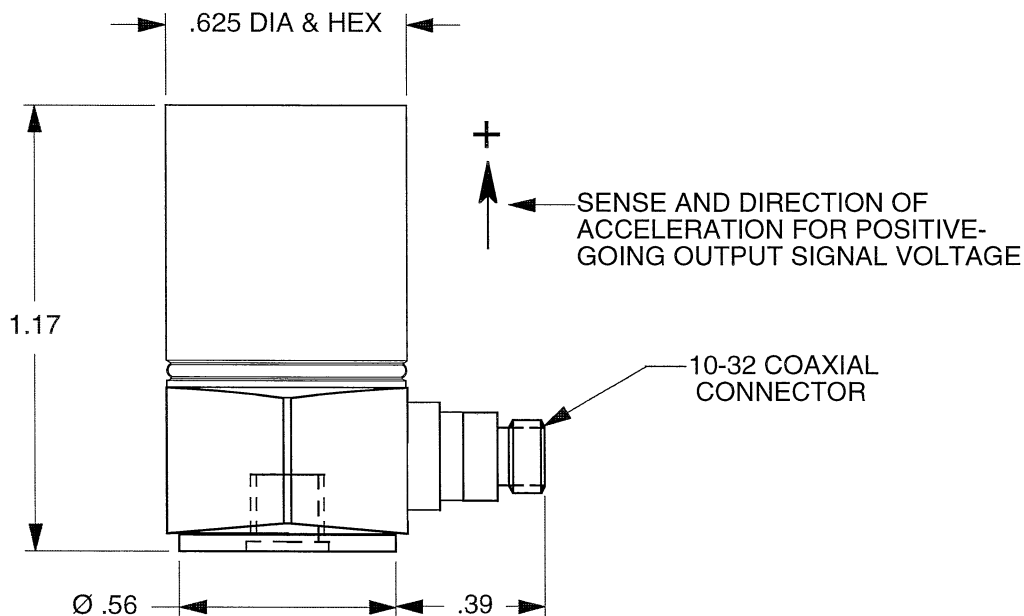


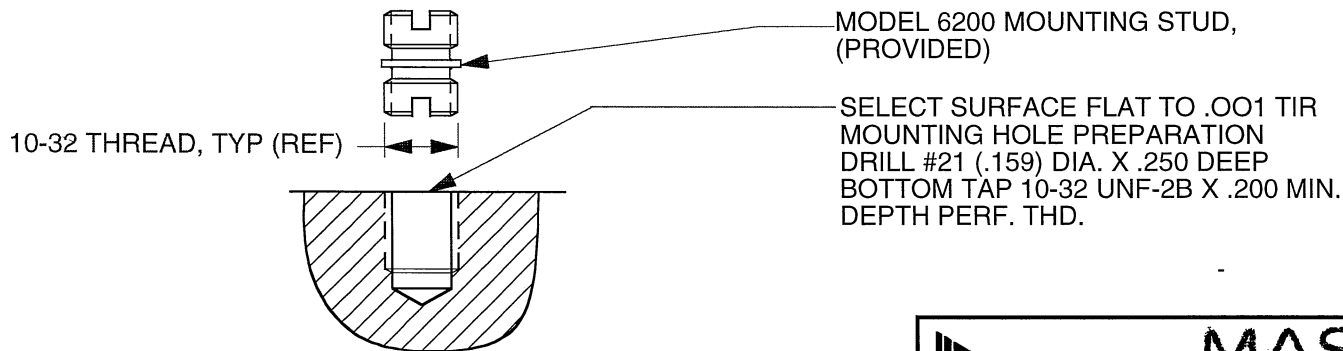
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REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	6539	INITIAL RELEASE	NC/2-02-10	<i>DW</i>	<i>Ans.</i>



MODEL 6215 THERMAL BOOT,  
(PROVIDED)



1. MOUNTING TORQUE ON 5/8 HEX: 20 TO 25 LB-INCHES. DO NOT OVERTORQUE.
2. CASE MATERIAL-300 SERIES STAINLESS STEEL.
3. WEIGHT-58 GRAMS.

**EXCEPT AS OTHERWISE NOTED**

ALL DIMENSIONS IN INCHES  
TOLERANCE: .XXX = ± .005 .XX = ± .01

SURFACE FINISH  
EXCEPT AS NOTED ✓

BREAK EDGES TO DEBURR  
RADIUS OR CHAMFER

△ THESE DIAS ⊙ TO T.I.R.

FILLETS - MAX RAD.

		<h1>MASTER</h1> <p>ONLY IF IN RED</p>		CHATSWORTH, CA.	
SCALE 2X	DESIGN N.C.	DATE 2/02/10			
DRAWN N.C.	DATE 2/02/10	PART NO.			
CHECKED <i>DW</i>	DATE 2/19/10	MATL			REV A
APPROVED <i>Ans.</i>	DATE 2/9/10	NEXT ASSEMBLY		USED ON	
TITLE <b>OUTLINE/INSTALLATION DRAWING, MODEL 3100D24T (MODEL 3100D24 WITH TEDS)</b>			DWG NO. <b>127-3100D24T</b>		
			SHEET 1 OF 1		



- HIGH SENSITIVITY
- HERMETICALLY SEALED
- CASE ISOLATED
- TEDS FEATURE

**PHYSICAL**

Weight, Max.  
Connector, Type  
Material, Housing & Connector  
Sensing Element  
Mounting Provision

ENGLISH		SI	
1.9	oz	55	grams
10-32 UNF-2A		10-32 UNF-2A	
300 Series S.S.		300 Series S.S.	
Ceramic		Ceramic	
10-32 UNF-2A		10-32 UNF-2A	

**PERFORMANCE**

Sensitivity, ±5% [1]  
Range for ± 5 Volts Output  
Frequency Response, ±5%  
, ±10%  
Resonant Frequency  
Broadband Resolution, Max.  
Spectral Noise, Typ.  
Linearity [2]  
Transverse Sensitivity, Max.

1,000	mV/g	102	mV/m/s <sup>2</sup>
±5	g	±49.1	m/s <sup>2</sup>
0.6 to 1000	Hz	0.6 to 1000	Hz
0.5 to 5000	Hz	0.5 to 5000	Hz
>26	kHz	>26	kHz
0.000075	Grms	0.0007	m/s <sup>2</sup> rms
0.9	µGrms/√(Hz)	8.5	µm/s <sup>2</sup> rms/√(Hz)
4.3	µGrms/√(Hz)	42.5	µm/s <sup>2</sup> rms/√(Hz)
3.3	µGrms/√(Hz)	32.0	µm/s <sup>2</sup> rms/√(Hz)
0.6	µGrms/√(Hz)	6.2	µm/s <sup>2</sup> rms/√(Hz)
±2	% F.S.	±2	% F.S.
5	%	5	%

**ENVIRONMENTAL**

Maximum Vibration  
Maximum Shock  
Temperature Range  
TEDS Operating Temperature  
Coefficient of Thermal Sensitivity  
Seal

±100	Gpeak	±981	m/s <sup>2</sup> peak
±200	Gpeak	±1962	m/s <sup>2</sup> peak
-60 to +250	°F	-51 to 121	°C
-40 to +185	°F	-40 to +85	°C
0.03	%/°F	0.06	%/°C
Hermetic		Hermetic	

**ELECTRICAL**

Supply Current Range [3]  
Compliance Voltage Range  
Output Impedance, Typ.  
Bias Voltage  
Discharge Time Constant  
Electrical Isolation  
TEDS Feature

2 to 20	mA	2 to 20	mA
+18 to +30	Volts	+18 to +30	Volts
100	Ω	100	Ω
+11 to +13	VDC	+11 to +13	VDC
0.5 to 2.0	Sec	0.5 to 2.0	Sec
10	GΩ,min	10	GΩ,min
IEEE 1451.4		IEEE 1451.4	

**This family also includes:**

Model	Sensitivity (mV/g)	Frequency Response (Hz)	Time Constant (Sec)	Operating Temp (°F)

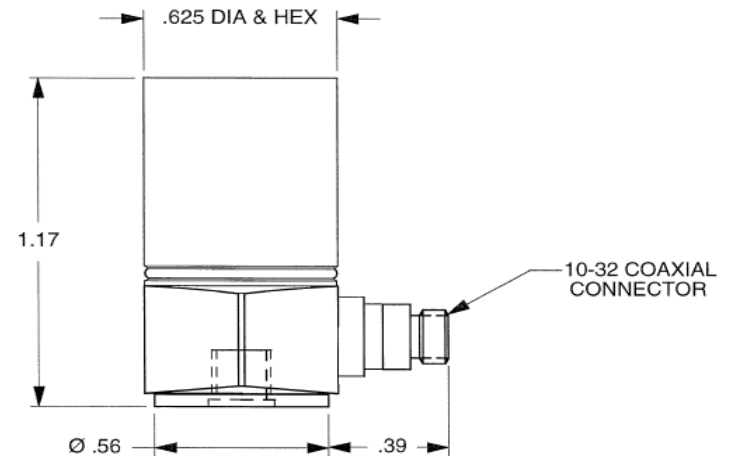
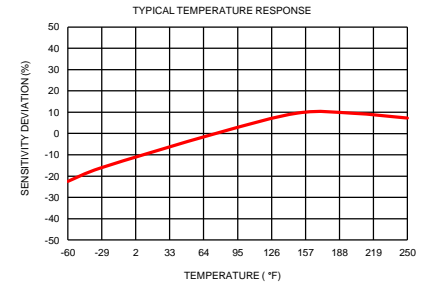
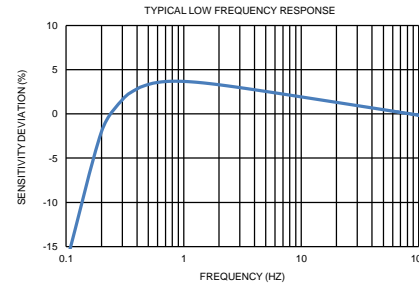
Refer to the performance specifications of the products in this family for detailed description

**Supplied Accessories:**

- 1) Accredited calibration certificate (ISO 17025)
- 2) Mounting stud, Model 6200 (10-32 UNF-2A to 10-32 UNF-2A), Qty: 1
- 3) Thermal Boot, Model 6215, Qty: 1

**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] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier.
- [4] In the interest of constant product improvement, we reserve the right to change specifications without notice.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3100D24T or more information.

