

PROPRIETARY AND CONFIDENTIAL

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Baseefa15ATEX0134X



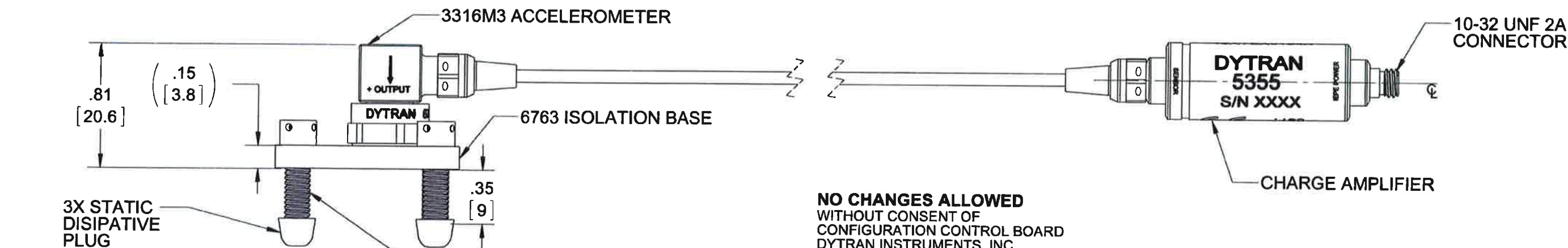
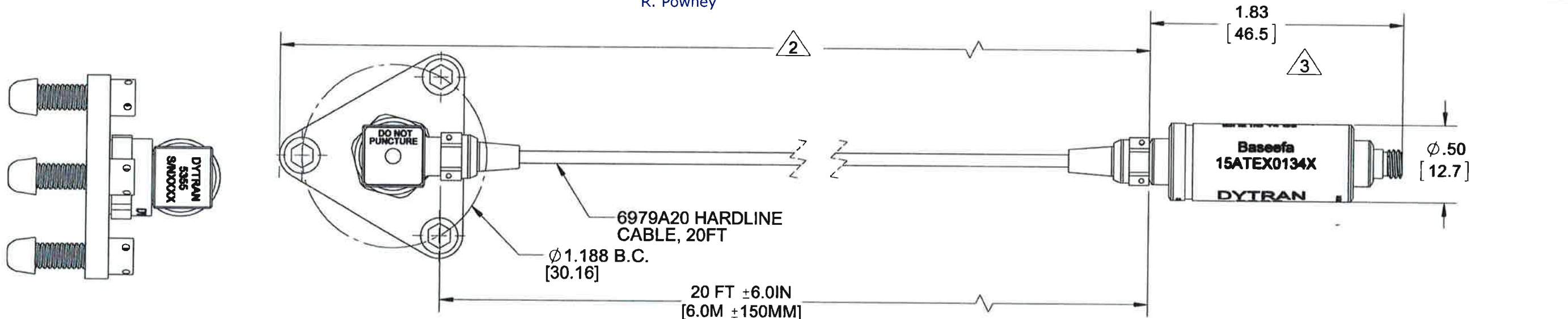
R. Powney

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DWG NO 127-5355 SH 1 REV C

REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
B	12117	BASEEFA CERT NO. IS: 15ATEX0134 WAS:06ATEX0321	JS 07/22/15	LA	DV
C	12139	BASEEFA CERT NO. IS: 15ATEX0134X WAS:15ATEX013	JS 08/07/15	<i>EF</i>	<i>LW</i>



NO CHANGES ALLOWED WITHOUT CONSENT OF CONFIGURATION CONTROL BOARD DYTRAN INSTRUMENTS, INC.

ENG *EF* QA *MS*

- 6. FOR DIMENSIONS AND SPECIFICATIONS NOT SHOWN SEE INDIVIDUAL MODEL DATA SHEETS
- 5. PREPARE FLAT MOUNTING SURFACE, $\phi 1.50$ [38.1] MIN, FLAT TO .001 TIR. TAP 3X 8-32 UNF-2B $\nabla .40$ [10.2] MIN. X 120° APART IN A $\phi 1.188$ [30.16] B.C. MOUNTING TORQUE: 12-15 Lb-in.
- 4. MOUNTING SCREWS 8-32 UNC-2A (DYTRAN MODEL 6535) SUPPLIED WITH 6763
- 3. OPERATING TEMPERATURE -40 °F TO +185 °F (-40 °C TO +85 °C) APPLIES ONLY TO DESIGNATED AREA
- 2. MAX TEMP 1000 °F (538 °C) APPLIES ONLY TO DESIGNATED AREA

1. NOMINAL SENSITIVITY 10mV/g
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.		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS TOLERANCES ARE:															
DECIMALS .XX ± .03 .XXX ± .010	METRIC X ± 0.8 XX ± 0.25	ANGLES ± 1°		<table border="1"> <tr> <th colspan="2">APPROVALS</th> <th>DATE</th> </tr> <tr> <td>ORIG</td> <td>JS</td> <td>05/27/15</td> </tr> <tr> <td>CHK</td> <td>LA</td> <td>07/15/15</td> </tr> <tr> <td>APP</td> <td>DV</td> <td>07/16/15</td> </tr> </table>		APPROVALS		DATE	ORIG	JS	05/27/15	CHK	LA	07/15/15	APP	DV	07/16/15
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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.		THIRD ANGLE PROJECTION USA		<table border="1"> <tr> <td>TITLE:</td> <td colspan="2">OUTLINE/INSTALLATION DRAWING 5355</td> </tr> <tr> <td>SIZE</td> <td>CAGE CODE</td> <td>DWG NO</td> </tr> <tr> <td>B</td> <td>2W033</td> <td>127-5355</td> </tr> <tr> <td>SCALE:</td> <td>1:4</td> <td>SHEET 1 OF 1</td> </tr> </table>		TITLE:	OUTLINE/INSTALLATION DRAWING 5355		SIZE	CAGE CODE	DWG NO	B	2W033	127-5355	SCALE:	1:4	SHEET 1 OF 1
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Model Number 5355A	PERFORMANCE SPECIFICATION	DOC NO PS5355A
HIGH TEMPERATURE VIBRATION MEASUREMENT SYSTEM		REV A, ECN 12072, 07/13/15



- HIGH TEMPERATURE OPERATION
- EXCELLENT LINEARITY
- HERMETICALLY SEALED

PHYSICAL

Weight, Max. (including cable, accel., and amp.)
 Mounting provision
 Connector from charge amplifier
 Housing Material, accelerometer
 charge amplifier

ENGLISH		SI	
5	oz	140	grams
10-32 UNC-2B		10-32 UNC-2B	
10-32		10-32	
Alloy 600		Alloy 600	
300 Series S.S.		300 Series S.S.	

PERFORMANCE (SYSTEM)

Sensitivity, ±10% [1]
 Input Range
 Frequency Range, ±10%
 Resonant Frequency (accel. only)
 Equivalent Electrical Noise Floor
 Linearity [2]
 Maximum Transverse sensitivity
 Strain Sensitivity @ 250 µε

10	mV/g	1.0	mV/m/s ²
±500	g	±4905	m/s ²
5 to 3000	Hz	5 to 3000	Hz
> 45	kHz	> 45	kHz
0.004	Grms	0.04	m/s ² rms
± 1%	% F.S.	± 1%	% F.S.
5	%	5	%
0.002	g/µε	0.02	m/s ² /µε

ENVIRONMENTAL

Maximum Vibration
 Maximum Shock
 Temperature Range (Accelerometer)
 Temperature Range (Charge Amplifier)
 Seal (Accel. & Chg. amp)

±6000	g's,peak	±58860	m/s ² peak
±10000	g's,peak	±98100	m/s ² peak
-60 to 1000	°F	-51 to 538	°C
-40 to 185	°F	-40 to 85	°C
Hermetic		Hermetic	

Electrical

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

2 to 20	mA	2 to 20	mA
+18 to +30	Volts	+18 to +20	Volts
100	Ω	100	Ω
+10 to +13	VDC	+10 to +13	VDC
0.1 to 0.5	Sec	0.1 to 0.5	Sec

This family also includes:

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

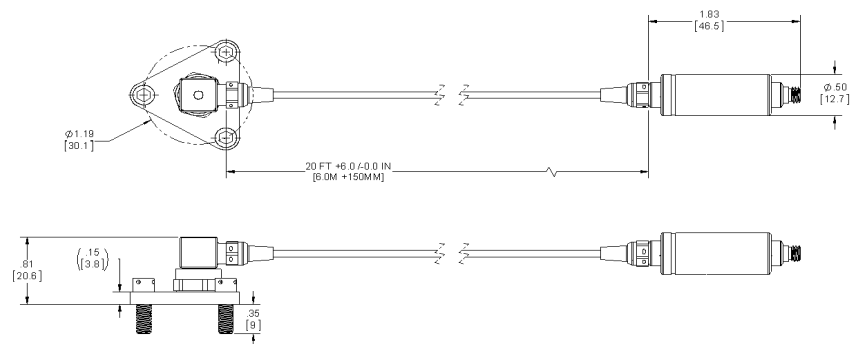
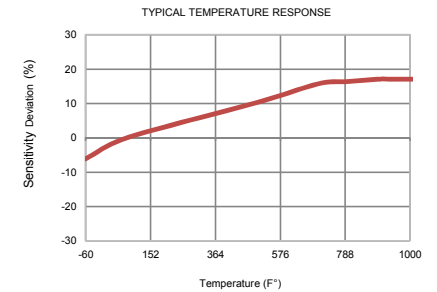
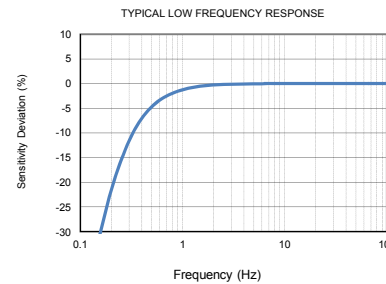
Please, refer to the performance specifications of the products in this family for detailed description

Supplied Accessories:

- 1) Accredited calibration certificate (ISO 17025)
- 2) Model 6200S mounting stud, qty 1; Model 6763 tri-mount base, qty 1; Model 6535 mounting screw, qty 3 (supplied)

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.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-5355A for more information.



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