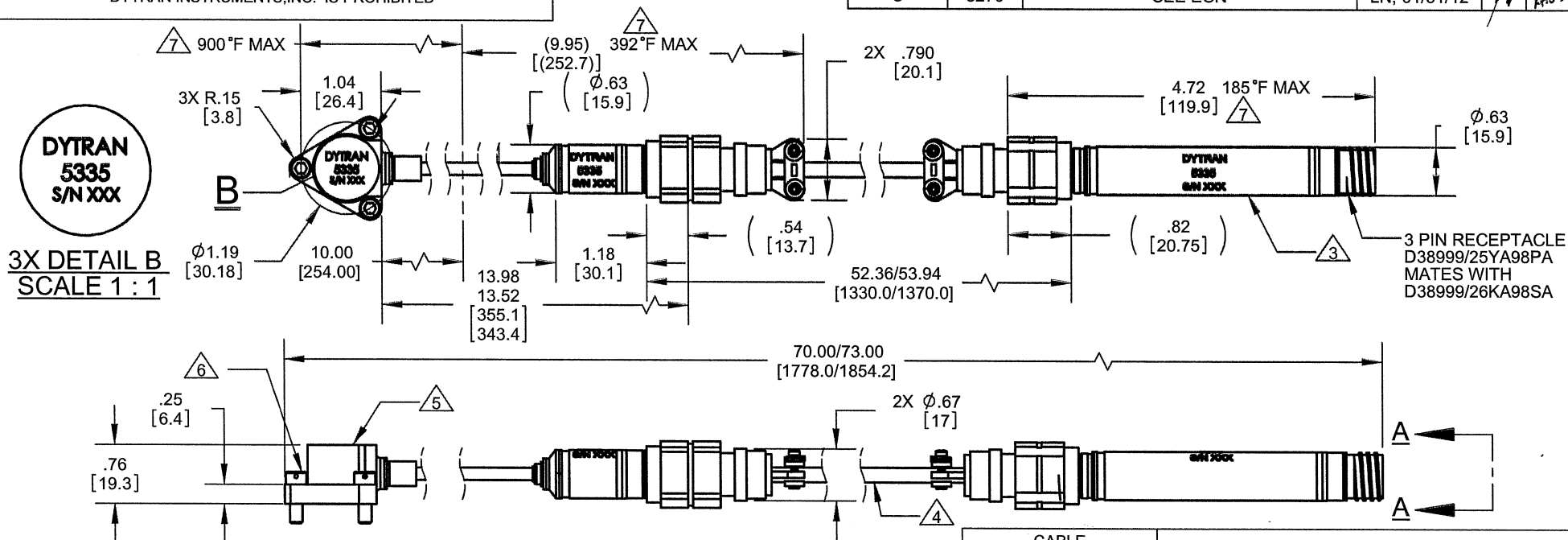
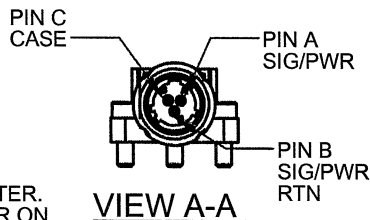


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REVISIONS					
REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
B	6163	SEE ECN	JS, 08/19/09	DV	ANS
C	8270	SEE ECN	LN, 01/31/12	9/	ANS



8. REFER TO 127-6888A FOR CABLE DETAIL
- 7 MAXIMUM ENVIRONMENT TEMPERATURES ARE DESIGNATED
- 6 MOUNTING SCREWS 8-32 UNC-3A (DYTRAN MODEL 6535) SUPPLIED
- 5 ACCELEROMETER
- 4 6888A4.5 CABLE ASSEMBLY SEE TABLE.
- 3 THIS CHARGE AMPLIFIER MUST BE MATCHED WITH THE ACCELEROMETER. SERIAL NUMBER ON CHARGE AMPLIFIER MUST MATCH SERIAL NUMBER ON ACCELEROMETER.
2. WEIGHT: 400 GRAMS APPROX.
1. NOMINAL SENSITIVITY OF THE SYSTEM: 10 mV/g
- NOTES: UNLESS OTHERWISE SPECIFIED



CABLE (DYTRAN 145-0132-01)	DUAL CONDUCTOR LOW NOISE CABLE
CONDUCTORS	AWG 22 (19/32) SPC EE (PTFE) .06 DIA CONDUCTOR #1: M22759/5-22-9 (WHITE) CONDUCTOR #2: M22759/5-22-5 (BLUE)
LOW NOISE WRAP	CARBON TAPE .008 WALL
FILLER	2#FIBER GLASS
SHIELD	38 AWG SILVER PLATED COPPER 95% COVER 30°
KAPTON TAPE WRAP	.001 WALL THICKNESS
JACKET	WHITE TFE TAPE DBL WRAP .010/.015 THICK
DIA	.190 MAX
TEMPERATURE	392 °F WIRE RATED
VOLTAGE	600 VOLTS
FLAMMABILITY	CABLE MEETS FLAMMABILITY REQUIREMENT 14 CFR PART 25, APPENDIX F, PART I(a)(3)

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. THDS PER MIL-S-7742. DIMENSIONS APPLY AFTER FINISHING.	
USED ON	NEXT ASSY
APPLICATION	
THIRD ANGLE PROJECTION USA	
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.	

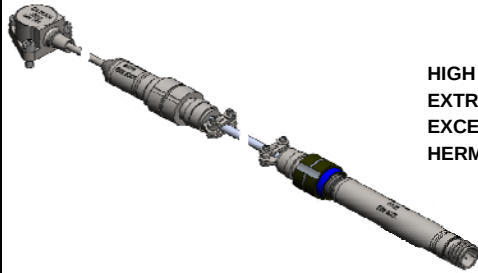
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS TOLERANCES ARE: INCHES METRIC ANGLES .XX ± .03 .X ± 0.8 ± 1° .XXX ± .010 .XX ± 0.25	
MATERIAL	
FINISH	
DO NOT SCALE DRAWING	

CONTRACT NO.

APPROVALS	DATE
ORIG	DV 07/09/09
CHK	DV 08/20/09
APP	ANS 8/24/09
APP	

 MASTER ONLY IF IN RED Chatsworth, CA			
TITLE: OUTLINE/INSTALLATION DRAWING MODEL 5335			
SIZE A	CAGE CODE 2W033	DWG. NO. 127-5335	REV C
SCALE: 1:4		SOLIDWORKS	SHEET 1 OF 1

Model Number 5335	PERFORMANCE SPECIFICATION			DOC NO PS5335
	HIGH TEMPERATURE VIBRATION MEASUREMENT SYSTEM			REV B, ECN 8270, 01/31/12



**HIGH TEMPERATURE OPERATION
EXTREME STABILITY OVER TEMPERATURE
EXCELLENT LINEARITY
HERMETICALLY SEALED**

PHYSICAL

Weight, including cables, accel and amplifier
Size Accelerometer Case Length
Case Width
Case Height
Charge Amplifier Case length
Diameter
Length
Cable from accel. To chg. amp.,
Mounting provision, Three -hole flange for
Connector from charge amplifier
Housing Material

ENGLISH		SI	
	14	oz	400
	1.2	Inches	30
	1.3	Inches	34
	0.8	Inches	19
	4.4	Inches	113
	Ø 0.63	Inches	Ø 16
	52.4	Inches	1331
	8-32 UNC-2A Screws		8-32 UNC-2A Screws
	D38999/25YA98PA		D38999/25YA98PA
	304L		304L

PERFORMANCE (SYSTEM)

Sensitivity, $\pm 5\%$ [1]
Range F.S for ± 5 Volts Output
Frequency Range, $\pm 5\%$
Frequency Range, -3db
Resonant Frequency, Nominal
Equivalent Electrical Noise Floor
Linearity [2]
Maximum Transverse sensitivity
Strain Sensitivity @ 250 $\mu\epsilon$

	10	mV/g	1.02	mV/m/s ²
	± 500	g	± 4900	m/s ²
	4.8 to 1400	Hz	4.8 to 1400	Hz
	1.6 to 4200	Hz	1.6 to 4200	Hz
	35	kHz	35	kHz
	0.015	Grms	0.147	m/s ² rms
	$\pm 2\%$	% F.S.	$\pm 2\%$	% F.S.
	5	%	5	%
	0.012	g/ $\mu\epsilon$	0.117	m/s ² / $\mu\epsilon$

ENVIRONMENTAL

Maximum Vibration
Maximum Shock
Temperature Range (Accelerometer)
Temperature Range (Charge Amplifier)
Seal, (Accelerometer & chg. amp)
Coefficient of Thermal Sensitivity

	± 600	g's, peak	± 5886	m/s ² peak
	± 2000	g's, peak	± 19620	m/s ² peak
	-65 to 900	°F	-54 to 482	°C
	-50 to 185	°F	-45 to 85	°C
	Hermetic		Hermetic	
	0.02	%/°F	0.02	%/°C

Electrical

Supply Current Rnge [3]
Compliance Voltage Range
Output Impedence, Typ
Bias Voltage
Discharge Time Constant, Nom
Output Signal Polarity for Acceleration Towards Top
Electrical Isolation, Ground Wire to Case

	4 to 20	mA	4 to 20	mA
	15 to 30	Volts	15 to 30	Volts
	100	Ω	100	Ω
	+7 to +9	VDC	+7 to +9	VDC
	0.1	Sec	0.1	Sec
	Positive		Positive	
	10	G Ω , min	10	G Ω , min

This family also includes:

Model				

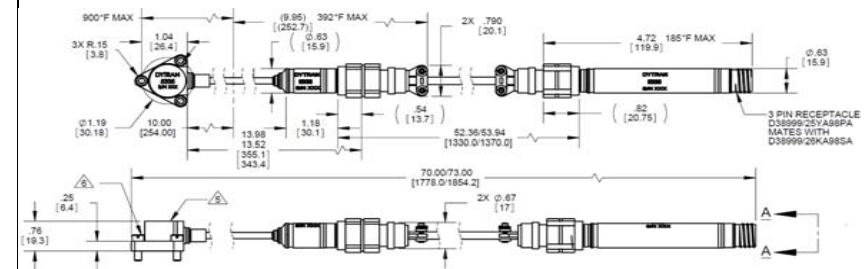
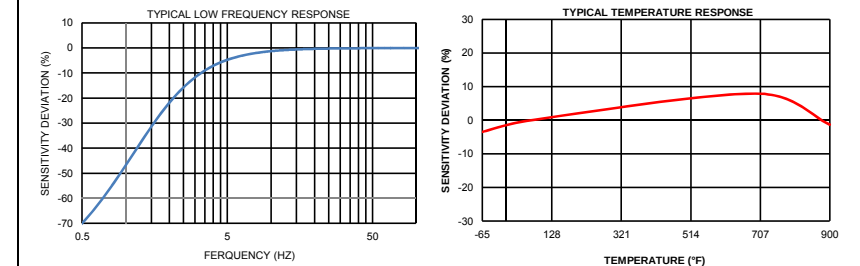
Please, refer to the performance specifications of the products in this family for detailed description

Supplied Accessories:

- 1) Accredited calibration certificate (ISO 17025)
- 2) (3) Mounting Screws, (Model 6535 8-32 UNC-2A)

Notes:

- [1] Measure at 100Hz, 1 Grms per ISA RP 37.2
- [2] Measure 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 127-5335 for more information.



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