

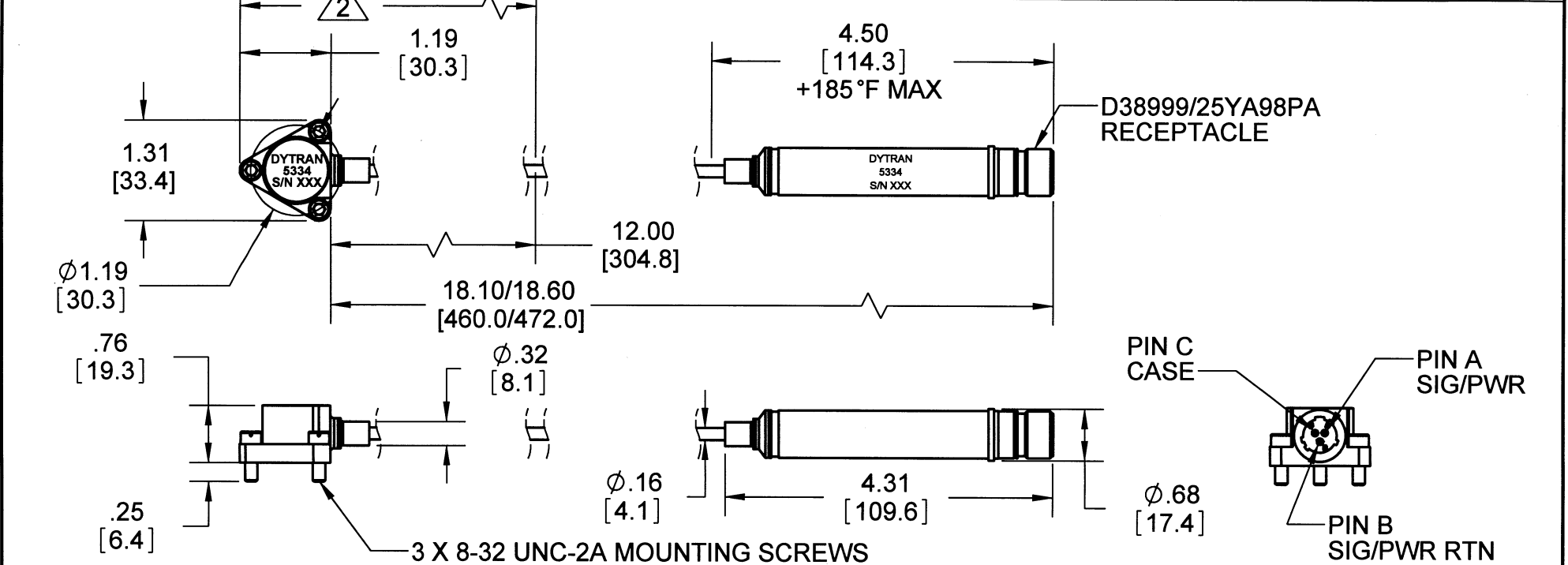


PROPRIETARY AND CONFIDENTIAL		REVISIONS					
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		B	5623	SEE ECN	RA, 11/24/08		



3. MOUNTING SCREWS (MODEL 6535) ARE SUPPLIED.

2 MAX TEMP 900°F APPLIES ONLY TO THE DESIGNATED AREA OF THE SYSTEM.

1. NOMINAL SENSITIVITY 10mV/G.

NOTES: UNLESS OTHERWISE SPECIFIED.

		CONTRACT NO.		MASTER ONLY IF IN RED Chatsworth, CA		
				TITLE: OUTLINE/INSTALLATION DRAWING, MODEL 5334		
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. 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		APPROVALS		
5334 USED ON		NEXT ASSY		ORIG	PML	12/12/07
APPLICATION				CHK	R.A.	8/08/08
THIRD ANGLE PROJECTION USA				APP	D.V.	8/08/08
		MATERIAL		APP		
		FINISH				
		DO NOT SCALE DRAWING				
				SIZE	CAGE CODE	DWG. NO.
				A	2W033	127-5334
				SCALE: 1:2		SOLIDWORKS
						SHEET 1 OF 1
						REV B

MODEL 5334 HIGH TEMPERATURE VIBRATION MEASUREMENT SYSTEM

SPECIFICATION	VALUE	UNITS
PHYSICAL		
WEIGHT, including cables, accel and amplifier	150	grams
MOUNTING PROVISION	Three-hole flange for #8 SCREWS	
CABLE FROM ACCEL. TO CHG. AMP., (18 in LENGTH)	2-conductor shielded hardline cable	
CONNECTOR FROM CHARGE AMPLIFIER	D38999/25YA98PA	
MATERIAL, ACCELEROMETER	304L CRES	
PERFORMANCE (SYSTEM)		
SENSITIVITY, $\pm 5\%$ [1]	10	mV/g
RANGE F.S. FOR ± 5 VOLTS OUTPUT	± 500	g
FREQUENCY RANGE, $\pm 5\%$	4.8 to 660	Hz
FREQUENCY RANGE, -3db	1.6 to 2000	Hz
RESONANT FREQUENCY, NOM.	35	kHz
EQUIVALENT ELECTRICAL NOISE FLOOR	.01	grms
LINEARITY [2]	$\pm 2\%$	% F.S.
TRANSVERSE SENSITIVITY, MAX.	5	%
STRAIN SENSITIVITY @ 250 $\mu\epsilon$.012	g/ $\mu\epsilon$
ENVIRONMENTAL		
MAXIMUM VIBRATION	± 600	gpk
MAXIMUM SHOCK	± 2000	gpk
TEMPERATURE RANGE (ACCELEROMETER)	-65 to +900	$^{\circ}\text{F}$
TEMPERATURE RANGE (CHARGE AMPLIFIER)	-50 TO +185	$^{\circ}\text{F}$
SEAL, (ACCELEROMETER & CHG. AMP) HERMETIC	Ceramic-to-metal and laser welded	
COEFFICIENT OF THERMAL SENSITIVITY	.02	%/ $^{\circ}\text{C}$
ELECTRICAL		
SUPPLY CURRENT RANGE [3]	4 to 20	mA
COMPLIANCE VOLTAGE RANGE	15 to 30	Volts
OUTPUT IMPEDANCE, TYP.	100	Ohms
BIAS VOLTAGE, +8 VOLTS NOM.	+7 to +9	VDC
DISCHARGE TIME CONSTANT, NOM.	0.1	Sec
OUTPUT SIGNAL POLARITY FOR ACCELERATION TOWARD TOP		Positive
ELECTRICAL ISOLATION, GROUND WIRE TO CASE	10 Megohms, min.	

Supplied accessories:

Mounting screw, model 6535 (8-32 UNC-2A, quantity of 3(three))

[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 system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier.

OPERATING INSTRUCTIONS MODEL 5334



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