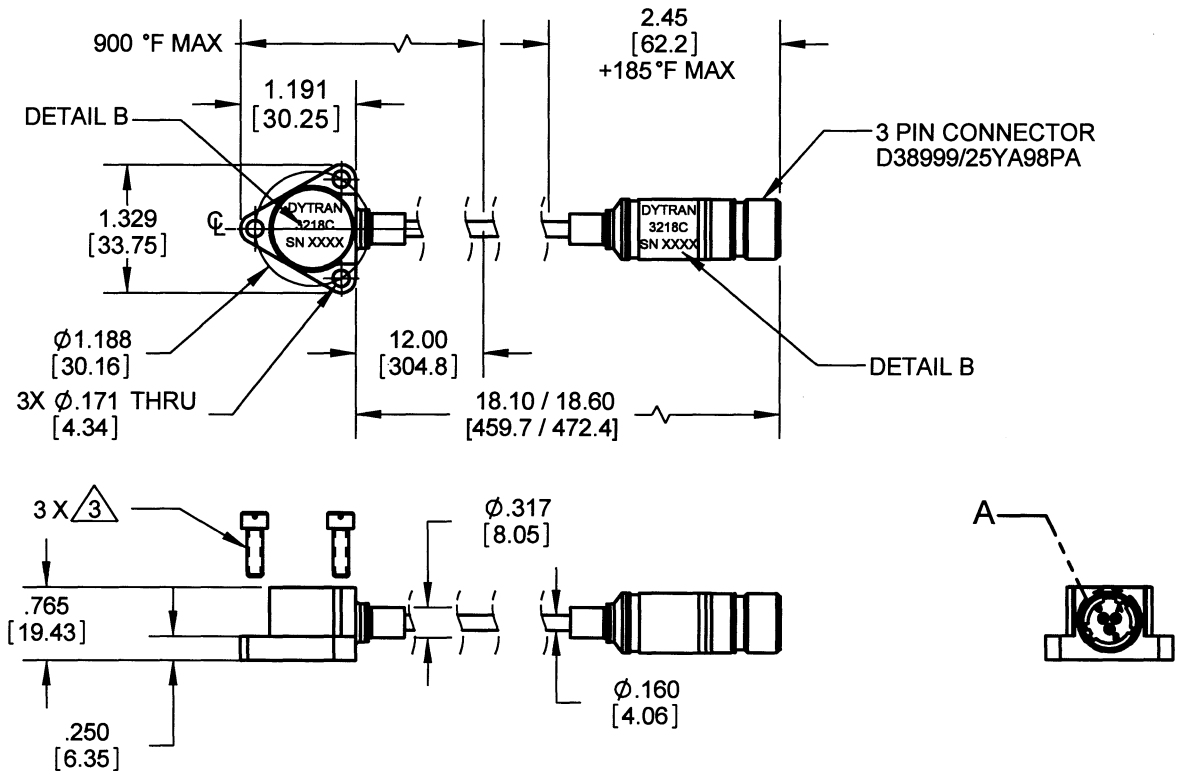
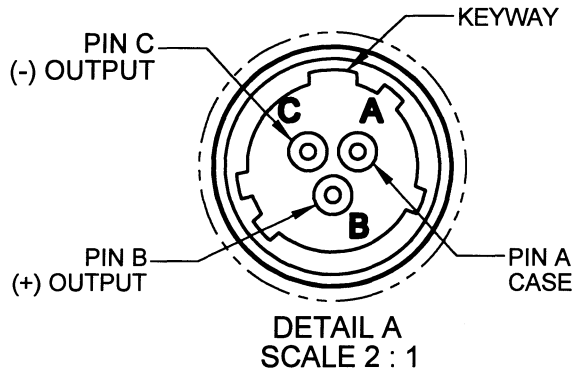


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REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	5594	INITIAL RELEASE	EP 11/07/08	<i>DL</i>	<i>AW</i>



3 MOUNTING SCREWS 8-32 UNC-2A (DYTRAN MODEL 6535) SUPPLIED

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

1. NOMINAL SENSITIVITY 1.6pC/G

RECOMMENDED MOUNTING PREPARATION
 SELECT SURFACE FLAT TO .001 T.I.R.
 TAP THREE HOLES 8-32 UNC-2B X .30 [7.6] MINIMUM DEPTH EQUALLY SPACED ON Ø1.188 [30.16]

NOTES UNLESS OTHERWISE SPECIFIED

USED ON	NEXT ASSY	APPLICATION
THIRD ANGLE PROJECTION USA		

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:
 INCH METRIC ANGLES
 .XX ± .03 .X ± 0.8 ± 1°
 .XXX ± .010 .XX ± 0.25

MATERIAL

FINISH

DO NOT SCALE DRAWING

CONTRACT NO.

APPROVALS		DATE
ORIG	EP	11/07/08
CHK	<i>DL</i>	12/03/08
APP		
APP		

DYTRAN INSTRUMENTS, INC. Chatsworth, CA

TITLE: **OUTLINE / INSTALLATION MODEL 3218C**

SIZE	CAGE CODE	DWG. NO.	REV
A	2W033	127-3218C	A
SCALE: 1:2	SOLIDWORKS	SHEET 1 OF 1	

Model Number 3218C	PERFORMANCE SPECIFICATIONS	DOC NO PS3218C
	ACCELEROMETER, SINGLE AXIS DIFFERENTIAL, CHARGE MODE	REV C, ECN 8769, 06/20/12



- HIGH TEMPERATURE OPERATION
- EXTREME STABILITY OVER TEMPERATURE
- HERMETICALLY SEALED

PHYSICAL

Weight	Accelerometer
Size, (Mounting dia x Height x Length)	Accelerometer and cable
Connector [1]	
Housing	
Isolation	
Sensing Element	

ENGLISH		SI	
5.5	oz	157	grams
6.83	oz	195	grams
0.77	inches	19.43	mm
Ø1.19	inches	Ø30.20	mm
18.10 - 18.60	inches	459.70 - 472.40	mm
304 L		304 L	
3 Pin		3 Pin	
304 L		304 L	
10GΩ MIN		10GΩ MIN	
LGT		LGT	
Compression		Compression	

PERFORMANCE

Sensitivity [2]	1.6	pC/g	0.16	pC/m/s
Acceleration Range	[3]	g peak	[3]	m/s ² peak
Frequency Range, ±10%	[4] -10,000	Hz	[4] -10,000	Hz
Resonance Frequency	> 35	kHz	> 35	kHz
Transverse Sensitivity	5	%	5	%
Insulation Resistance (75°F)	10	GΩ	10	GΩ
Insulation Resistance (400°F)	10	GΩ	10	GΩ
Insulation Resistance (700°F)	3.5	MΩ	3.5	MΩ
Insulation Resistance (900°F)	485	kΩ	485	kΩ
Operating Temperature	-60 to 900	°F	-51 to 482	°C
Capacitance, pin to pin	80	pF	80	pF
Unbalance between pins	<2	pF	<2	pF
Linearity	1	%	1	%

ENVIRONMENTAL

Maximum Vibration	1000	Gpeak	9810	m/s ² peak
Maximum Shock	2000	Gpeak	19620	m/s ² peak
Seal	Hermetic			
Magnetic Sensitivity at 100 Gauss	0.00007	g/Gauss	0.00069	m/s ² Gauss
Base Strain Sensitivity	0.05	g/με	0.4905	m/s ² /με

This family also includes:

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

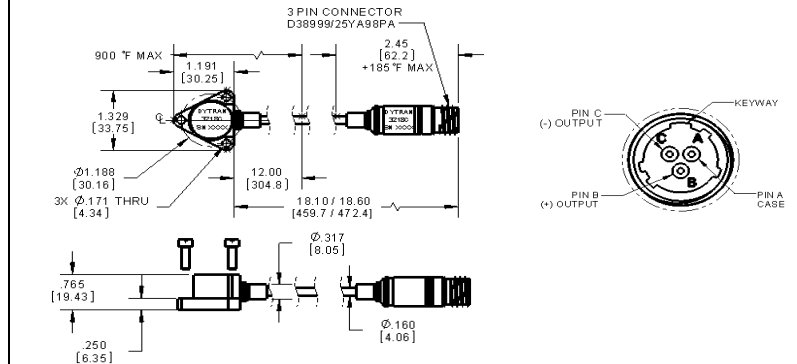
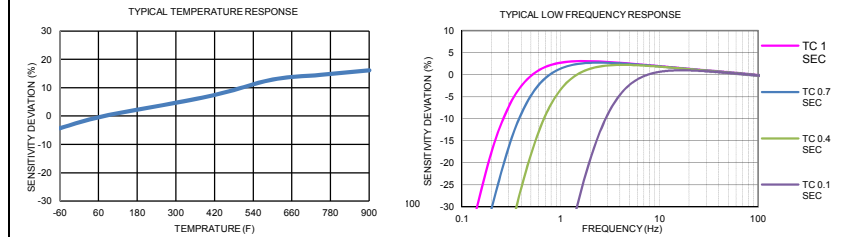
Refer to the performance specifications of the products in this family for detailed description

Supplied Accessories:

- 1) Model 6535 mounting screw (3)
- 2) Accredited Calibration Certificate (ISO 17025)

Notes:

- [1] D38999/25YA98PA Series III connector. Mates With D38999/26WA98SA Connector
- [2] Actual sensitivity is given on a calibration certificate
- [3] Depends on the gain setting of the charge amplifier used
- [4] Low frequency response is the function of the discharge time constant of the charge amplifier used. Please, Refer to the plot below for frequency response for different time constants.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3218C for more information.



21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax: 818.700.7880 www.dytran.com
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