

REDRAWN ON CAD 11/18/96



MASTER ONLY IF IN RED

CHATSWORTH, CA.

2 HOUSING & CONNECTOR MATERIAL: 300 SERIES STAINLESS STEEL.

1 TORQUE MOUNTING SCREWS TO 20 LB-INCHES TORQUE. LOCKWIRE IF DESIRED.

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 .005
 THESE DIAS TO .005 T.I.R.
 FILLETS - .005 MAX RAD.

ALL PART NUMBER LETTER SUFFIXES ARE TO BE INTERPRETED AS FOLLOWS:
 I.E. - 107-0000-01(X)
 M - MACHINED ONLY (UNPLATED) G - MATERIAL HAS BEEN GRAINED
 P - PLATED/PAINTED S - MATERIAL HAS BEEN SAWCUT
 H - HEAT TREATED E - ENVIRONMENTAL TEST

SCALE	1X	REV	A	DATE	3-29-99	ECN	2820
DATE	8-26-94		PART NO.				
DRAWN	N.C.	CHECKED	MAT'L				
APPROVED	3-29-99		NEXT ASSEMBLY		USED ON		
TITLE							DWG NO.
OUTLINE/INSTALLATION MODEL 3196C							127-3196C
							SHEET 1 OF 1

MODEL NUMBER 3196C	PERFORMANCE SPECIFICATION	DOC NUMBER PS3196C
	Accelerometer, Charge Mode	REV B, ECN 13544, 07/06/17



- HIGH-TEMPERATURE OPERATION
- CHARGE MODE

This family also includes:

Model	Sensitivity (pC/g)	Range (Gpeak)	Oper. Temp(°F)

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

Supplied Accessories:

- 1) Model 6535 Mounting Screw, 8-32 thread (3)

Available Accessories:

- 1) Model 6185 Immersion Proof Boot

Notes:

- [1] Low frequency response is a function of the charge amplifier discharge time constant.
- [2] Measured using zero-based straight line method, percentage of F.S. or any lesser range.
- [3] Measured for acceleration towards top.
- [4] This parameter depends on the gain settings of the charge amplifier used.

PHYSICAL

	ENGLISH		SI	
Weight, Max	2.998236332	oz	85	grams
Size	2.28	inch	57.912	mm
Height	0.8	inch	20.32	mm
Mounting, Three-hole	1.188	inch	30.1752	mm
Connector	Stainless Steel		Stainless Steel	
	TNC Jack		TNC Jack	
Housing	Stainless Steel		Stainless Steel	
Sensing Element	Ceramic		Ceramic	
Mode	Compression		Compression	

PERFORMANCE

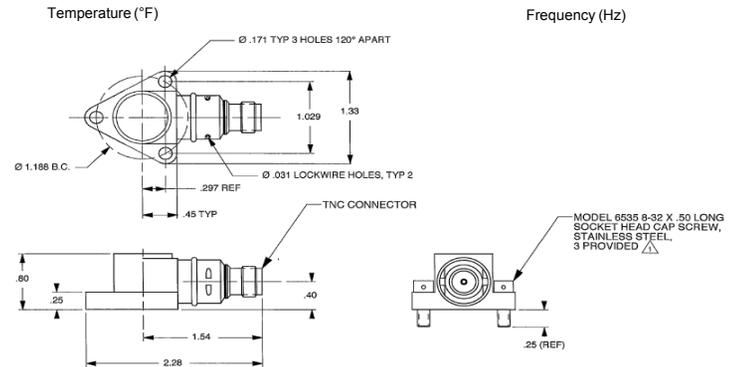
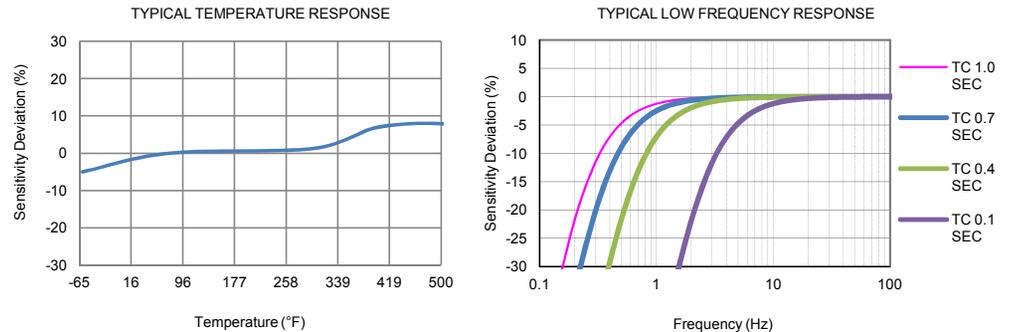
Sensitivity, ±1.0	8	pC/g	0.815494393	pC/m/s ²
Range, F.S.	[4]	G peak	[4]	G peak
Frequency Response, ±5%	[1]-2500	Hz	[1]-2500	Hz
Resonance Frequency	13	kHz	13	kHz
Transverse Sensitivity, Max	5	%	5	%
Base Strain Sensitivity	0.012	g/με	0.11772	m/s ² /με
Amplitude Non-linearity [2]	2	% F.S.	2	% F.S.

ELECTRICAL

Capacitance, Nom	190	pF	190	pF
Output Signal Polarity [3]	Negative-Going		Negative-Going	

ENVIRONMENTAL

Maximum Shock	2000	G peak	19620	m/s ²
Maximum Vibration	±1000	G	±9800	m/s ²
Thermal Sensitivity Coefficient	0.02	% / °F	0.036	% / °C
Operating Temperature	-65 to 500	°F	-54 to 260	°C
Seal	Hermetic		Hermetic	



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3196C for more information.



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