

- 2. MOUNTING TORQUE ON .281 HEX: 3 TO 4 LB.-IN.
- 1. WEIGHT: 2.5 GRAMS.

		<h1>MASTER</h1>		CHATSWORTH, CA.	
<h2>ONLY IF IN RED</h2>					
SCALE	4X	REV	A	DATE	6/10/04
DATE	11/15/99	PART NO.	MODEL 3035C		
DRAWN	N.C.	CHECKED	R.A.	MAT'L	
APPROVED			NEXT ASSEMBLY	USED ON	
TITLE OUTLINE/INSTALLATION DRAWING, MODEL 3035C CHARGE MODE ACCELEROMETER, NEGATIVE OUTPUT				DWG NO. 127-3035C	
				SHEET 1 OF 1	

Model Number 3035C	PERFORMANCE SPECIFICATIONS	DOC NO PS3035C
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IEPE ACCELEROMETER

REV F, ECN 15173, 06/24/19



- MINATURE SIZE
- HERMETICALLY SEALED
- STUD MOUNT

PHYSICAL

Weight, Max.
Connector
Mounting Provision
Material, Housing/Connector
Sensing Element
Element Style

ENGLISH		SI	
0.09	oz	2.5	grams
5-44 Coaxial		5-44 Coaxial	
5-40 Integral Stud		5-40 Integral Stud	
300 Series Stainless Steel		300 Series Stainless Steel	
Ceramic		Ceramic	
Shear		Shear	

PERFORMANCE

Sensitivity, ±20% [1]
Range for ± 5 Volts Output
Frequency Response, ±10%
Resonant Frequency
Linearity [2]
Maximum Transverse sensitivity
Strain Sensitivity @ 250µε

2.5	pC/g	0.3	mV/m/s ²
[5]	g	[5]	m/s ²
[4] to 10000	Hz	[4] to 10000	Hz
> 45	kHz	> 45	kHz
±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
Seal
Electrical Isolation

600	Gpeak	5884	m/s ² peak
10000	Gpeak	98067	m/s ² peak
-100 to +400	°F	-73 to +204	°C
Hermetic		Hermetic	
Case Grounded	GQ,min	Case Grounded	GQ,min

This family also includes:

Model	Range F.S. (g)	Sensitivity (mV/g)	Time Constant (Sec)

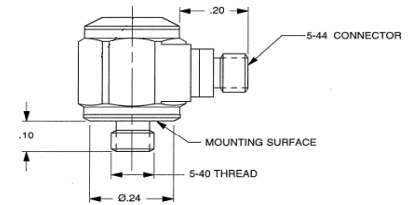
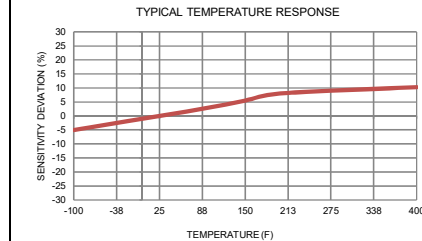
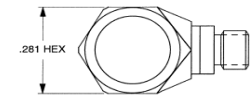
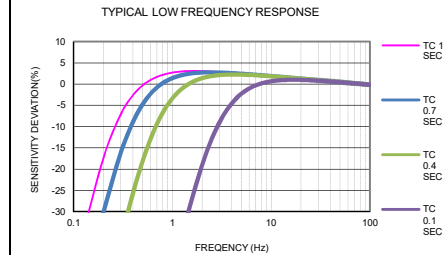
Refer to the performance specifications of the products in this family for detailed description

Supplied Accessories:

- 1) Accredited calibration certificate (ISO 17025)

Notes:

- [1] Measured 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] In the interest of constant product improvement, we reserve the right to change specifications without notice.
 - [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.
 - [5] This parameter depends on the gain settings of the charge amplifier used.
 - [6] CE certified
- [4] It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary overtime. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3035C for more information.



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