

- 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 |
|-----------------------|-----------------------------------|-------------------|

IEPE ACCELEROMETER

REV G, ECN 15637, 03/17/20



- 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

| | | | |
|---------------|--------|---------------|-----------------------|
| 2500 | 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 | GΩ,min | Case Grounded | GΩ,min |

This family also includes:

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

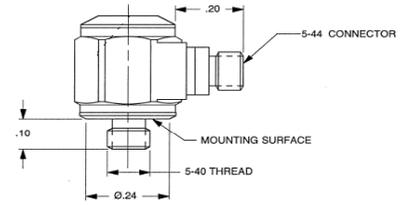
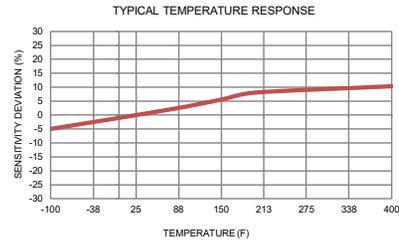
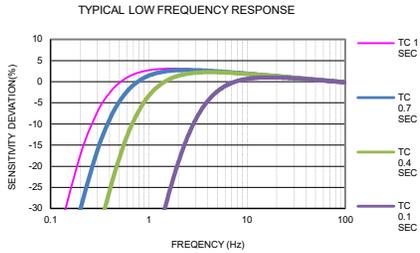
Refer to the performance specifications of the products in this family for detailed description

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
 - [7] 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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