



PERFORMANCE SPECIFICATION MODEL 3023A5 ACCELEROMETER, IEPE, TRIAXIAL



Actual Size

FEATURES:

- MINIATURE SIZE
- TEMPERATURE STABILITY
- WEIGHT ONLY 3 GRAMS

PHYSICAL

Connector

Mounting

Weight

Housing

Material

Isolation

Units

3023A5

1/4-28 UNF-2A

Adhesive

3

Titanium

Case Grounded

PERFORMANCE

Sensitivity, $\pm 5\%$

Measurement Range

Frequency Range, $\pm 15\%/-5\%$

Phase response, $\pm 5^\circ$

Resonance Frequency

Spectral noise

1.25 Hz

10 Hz

100 Hz

1000 Hz

10000 Hz

mV/g

$\pm gpk$

Hz

Hz

kHz

$\mu g/\text{sq}(\text{Hz})$

$\mu g/\text{sq}(\text{Hz})$

$\mu g/\text{sq}(\text{Hz})$

$\mu g/\text{sq}(\text{Hz})$

$\mu g/\text{sq}(\text{Hz})$

%

1.0

5000

0.55 to 10000

0.8 to 3000

30

8100

2500

1100

630

550

5

Transverse Sensitivity, MAX

ENVIRONMENTAL

Max Shock/Max Vibration

Operating Temperature

Seal

Thermal Sensitivity, TYP

Magnetic Sensitivity, TYP

Base Strain Sensitivity, MAX

g pk

$^\circ\text{F}$

$\%/\text{^\circ F}$

g/Gauss

$g/\mu\epsilon$

7000/6000

-60 to 250

Hermetic

0.02

0.00007

0.04

ELECTRICAL

Supply Current

Compliance Voltage

Output Bias

Output Impedance

Discharge Time Constant

Warm-up Time

Room Temp

mA

Vdc

Vdc

Ω

sec

sec

2 to 20

18 to 30

8.0 to 10.0

100

0.4 to 0.5

1

NONE

ACCESSORIES SUPPLIED

