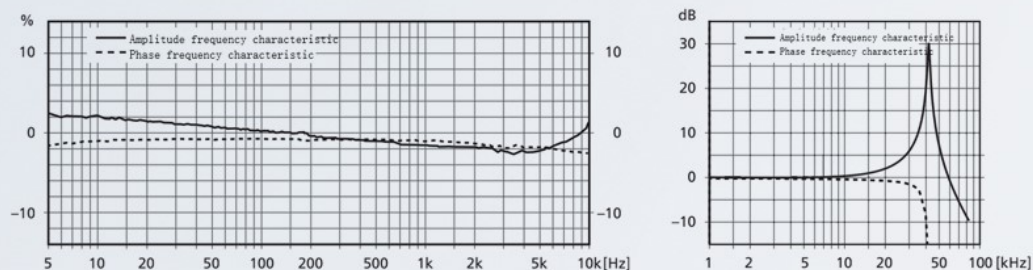


Piezoelectric Voltage output type (IEPE) accelerometer

Industrial mono-axial accelerometer Model: G112E Version: G112Ev221EN

PERFORMANCE	ENGLISH	SI
sensitivity ($\pm 10\%$)	100mV/g	10.2mV/(m/s ²)
measuring range	± 50 g pk	± 490 m/s ² pk
frequency range($\pm 5\%$)【2】	1~12kHz	1~12kHz
frequency range(± 3 dB)【2】	0.4~16kHz	0.4~16kHz
resonance frequency【1】	>30K	>30K
non-linearity【3】	$\leq 1\%$	$\leq 1\%$
tansverse sensitivity	$\leq 5\%$	$\leq 5\%$
resolution ratio	0.0001g rms	0.001 m/s ² rms
Environmental character		
overload limit	± 3000 g pk	$\pm 29,400$ m/s ² pk
temperature range	-40~+248° F	-40~+120°C
Electrical character		
excitation voltage【4】	+18~28 VDC	+18~28 VDC
excitation current【5】	2~10 mA	2~10 mA
bias voltage【1】	12 \pm 2V	12 \pm 2V
electrical isolation	Isolation	Isolation
output polarity【1】	positive	positive
physical character		
sensing element	ceramic	ceramic
Geometry	shear	shear
housing material	Stainless steel	Stainless steel
sealing mode	laser welding	laser wleding
dimension	0.70×1.83 in	18×46.5mm
weight【1】	2.11oz	60g
electrical connector	2pin MIL-C5015	2pin MIL-C5015
electrical connection location	top	top
mounting	1/4-28 screw hole	1/4-28 screw hole

TYPICAL FREQUENCY RESPONSE:



NOTE:

- 【1】 Inherent characteristics
- 【2】 The low frequency response is determined by the external signal conditioner
- 【3】 least square method
- 【4】 two-wire constant current incentive source power supply, recommended 24V.
- 【5】 excitation current recommended 4mA.

DRAWING:

