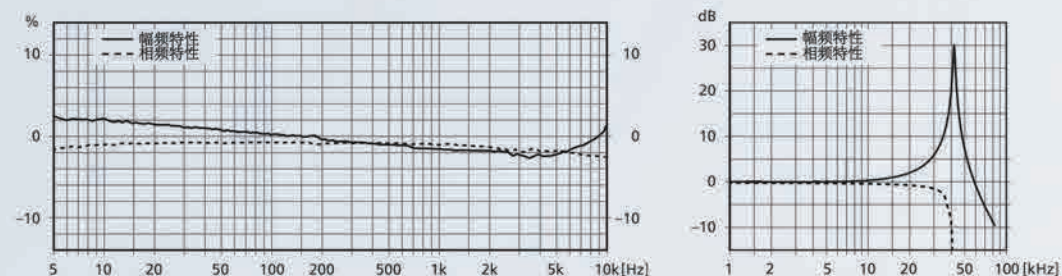


Piezoelectric Voltage output type (IEPE) accelerometer

High sensitivity mono-axial accelerometer Model: V112E Version: V112Ev221EN

PERFORMANCE	ENGLISH	SI
sensitivity ($\pm 10\%$)	1000mV/g	102.04mV/(m/s ²)
measuring range	± 5 g pk	± 49 m/s ² pk
frequency range($\pm 5\%$) [2]	0.06~1kHz	0.06~1kHz
frequency range($\pm 10\%$) [2]	0.04~1.5kHz	0.04~1.5kHz
resonance frequency [1]	>8K	>8K
non-linearity [3]	$\leq 1\%$	$\leq 1\%$
tansverse sensitivity	$\leq 5\%$	$\leq 5\%$
resolution ratio	0.00001g rms	0.0001 m/s ² rms
Environmental character		
overload limit	± 100 g pk	± 980 m/s ² pk
temperature range	-40~+248° F	-40~+120°C
Electrical character		
excitation voltage [4]	+18~+30 VDC	+18~+30 VDC
excitation current [5]	2~20 mA	2~20 mA
bias voltage [1]	9-11V	9-11V
electrical isolation	-	-
output polarity [1]	positive	positive
physical character		
sensing geometry	ceramic	ceramic
stucture mode	shear	shear
housing material	Stainless steel	Stainless steel
sealing mode	laser welding	laser wleding
dimension	1.06×1.69 in	27×43mm
weight [1]	5.64oz	160g
electrical connector	10-32UNF	10-32UNF
electrical connection location	top	top
mounting	10-32 screw hole	10-32 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:

