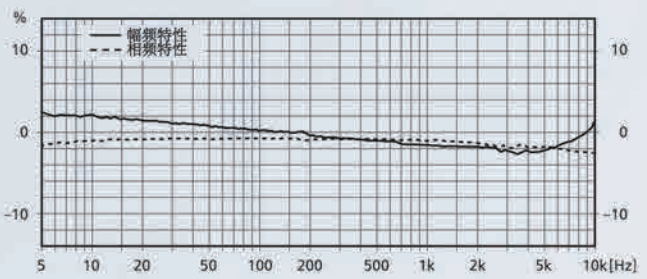
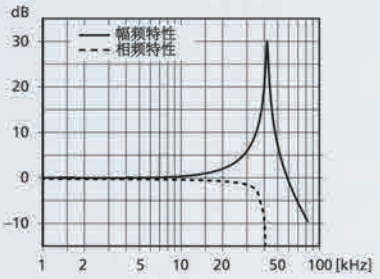
Piezoelectric Voltage output type (IEPE) accelerometer

High sensitivity mono-axial accelerometer　　Model：V112E.6　　Version：V112E.6v221EN

PERFORMANCE	ENGLISH	SI
sensitivity（±10%）	100mV/g	10.2mV/(m/s²)
measuring range	±50 g pk	±490 m/s² pk
frequency range(±5%)【2】	0.15～6kHz	0.15～6kHz
frequency range(±10%)【2】	0.1~7kHz	0.1~7kHz
resonance frequency【1】	>25K	>25K
non-linearity【3】	≤1%	≤1%
tansverse sensitivity	≤5%	≤5%
resolution ratio	0.0001g rms	0.001 m/s² rms
Environmental character		
overload limit	±1000 g pk	±9,800 m/s² pk
temperature range	-40～+248° F	-40～+120℃
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	0.62×1.1 in	16×28mm
weight【1】	0.88oz	25g
electrical connector	10-32UNF	10-32UNF
electrical connection location	top	top
mounting	10-32 screw hole	10-32 screw hole

TYPICAL FREQUENCY RESPONSE:

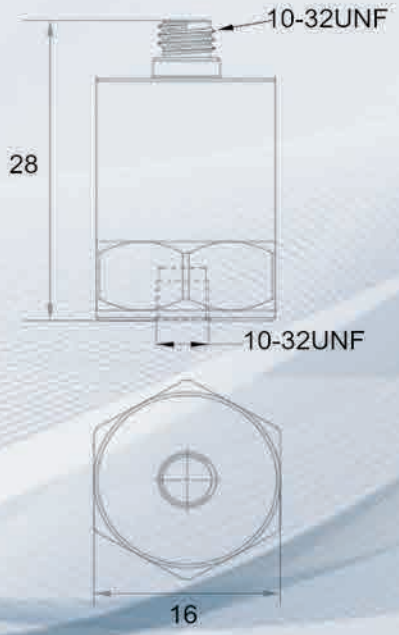




NOTE:

[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,recommened 24V.
[5] excitation current recommened 4mA.

DRAWING:



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