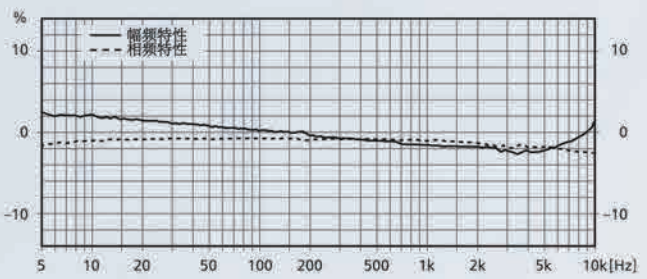
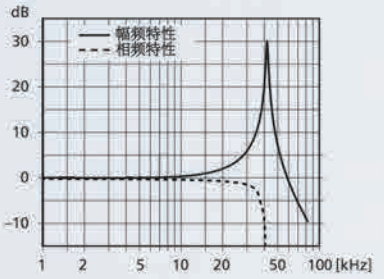
Piezoelectric Voltage output type (IEPE) accelerometer

Model mono-axial accelerometer　Model：T113E.5　Version：T113E.5v221EN

PERFORMANCE	ENGLISH	SI
sensitivity（±10%）	50mV/g	5.10 mV/(m/s²)
measuring range	±100 g pk	±980 m/s² pk
frequency range(±5%)【2】	1～9kHz	1～9kHz
frequency range(±10%)【2】	0.5~11kHZ	0.5~11kHZ
resonance frequency【1】	>30K	>30K
non-linearity【3】	≤1%	≤1%
tansverse sensitivity	≤5%	≤5%
resolution ratio	0.0002 g rms	0.002 m/s² rms
Environmental character		
overload limit	±2000 g pk	±1,9600 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	titanium	titanium
sealing mode	laser welding	laser welding
dimension	0.43×0.43×0.33in	11×11×8.5mm
weight【1】	0.24 oz	7g
electrical connector	10-32 UNF	10-32 UNF
electrical connection location	side	side
mounting	Adhesive	Adhesive

TYPICAL FREQUENCY RESPONSE:

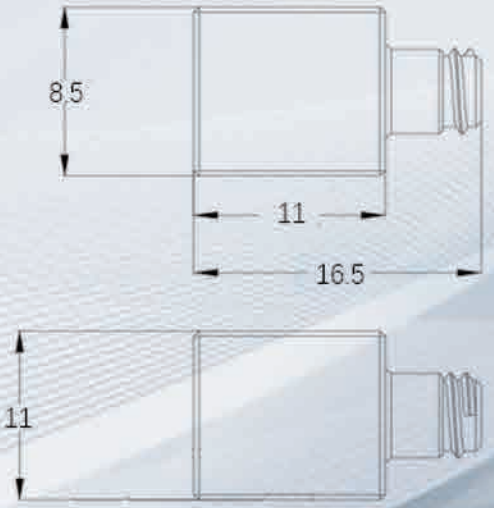


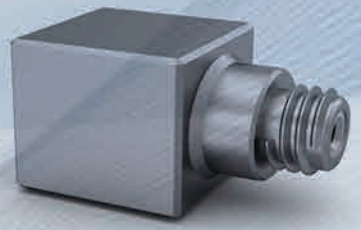


NOTE:

[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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