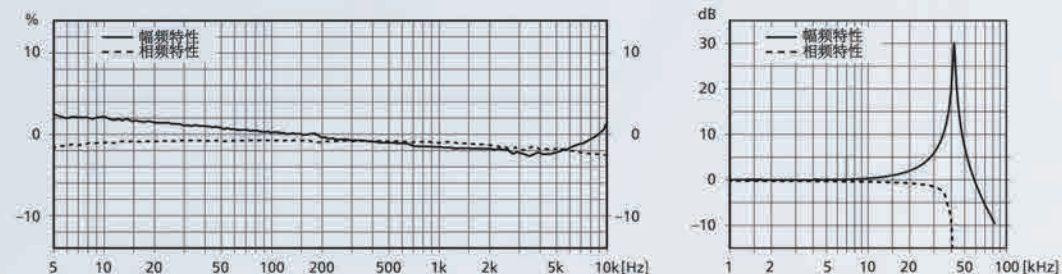


Piezoelectric Voltage output type (IEPE) accelerometer

General tri-axial accelerometer Model: U328E.6 Version: U328E.6v221EN

PERFORMANCE	ENGLISH	SI
sensitivity ($\pm 10\%$)	100mV/g	10.20mV/(m/s ²)
measuring range	± 50 g pk	± 490 m/s ² pk
frequency range($\pm 5\%$) [2]	1~9kHz	1~9kHz
frequency range($\pm 10\%$) [2]	0.5~11kHz	0.5~11kHz
resonance frequency [1]	>37K	>37K
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	± 400 g pk	$\pm 39,200$ m/s ² pk
temperature range	-58~+257° F	-50~+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]	8~12V	8~12V
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	0.62×0.62×0.43 in	16×16×11mm
weight [1]	0.43oz	12.2g
electrical connector	1/4-28 4 pin	1/4-28 4 pin
electrical connection location	-	-
mounting	M4 through hole	M4 through 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:

