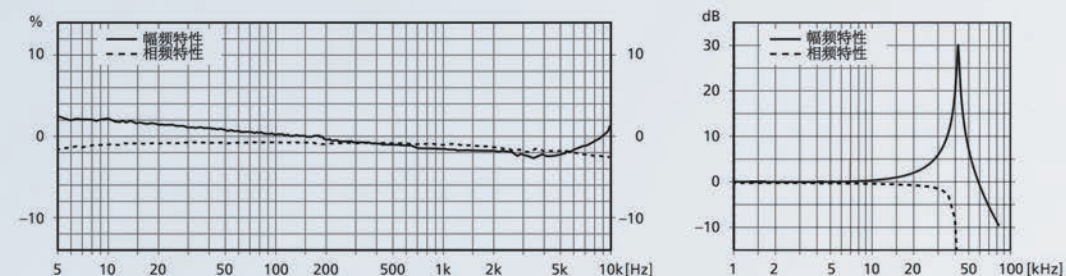


Piezoelectric Voltage output type (IEPE) accelerometer

Model mono-axial accelerometer Model: U126E.6 Version: U126E.6v221EN

PERFORMANCE	ENGLISH	SI
sensitivity ($\pm 10\%$)	100mV/g	10.2 mV/(m/s ²)
measuring range	± 50 g pk	± 490 m/s ² pk
frequency range($\pm 5\%$) [2]	1~10kHz	1~10kHz
frequency range($\pm 10\%$) [2]	0.5~12kHz	0.5~12kHz
resonance frequency [1]	>38K	>38K
non-linearity [3]	$\leq 1\%$	$\leq 1\%$
tansverse sensitivity	$\leq 5\%$	$\leq 5\%$
resolution ratio	0.0001 g rms	0.001 m/s ² rms
Environmental character		
overload limit	± 1000 g pk	$\pm 9,800$ m/s ² pk
temperature range	-58~+248° 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	0.33×0.33×0.25in	8.5×8.5×6.6mm
weight [1]	0.08 oz	2.5g
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, recommended 24V.
- [5] excitation current recommended 4mA.

DRAWING:

