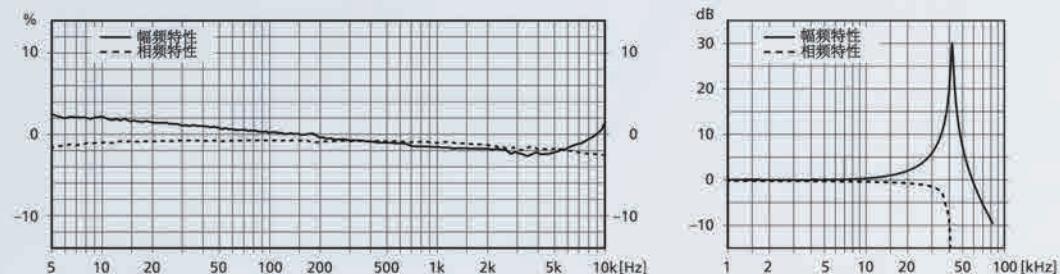


Piezoelectric Voltage output type (IEPE) accelerometer

General tri-axial accelerometer Model: U324E Version: U324Ev221EN

PERFORMANCE	ENGLISH	SI
sensitivity ($\pm 10\%$)	10mV/g	1.02 mV/(m/s ²)
measuring range	± 500 g pk	$\pm 4,900$ m/s ² pk
frequency range($\pm 5\%$) [2]	1~3k Hz	1~3k Hz
frequency range($\pm 10\%$) [2]	0.5~4k HZ	0.5~4k HZ
resonance frequency [1]	>20K	>20K
non-linearity [3]	$\leq 1\%$	$\leq 1\%$
tansverse sensitivity	$\leq 5\%$	$\leq 5\%$
resolution ratio	0.001 g rms	0.01 m/s ² rms
Environmental character		
overload limit	± 3000 g pk	$\pm 2,9400$ 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	Isolation	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	0.70x0.51in	18x13mm
weight [1]	0.28 oz	8g
electrical connector	1/4-28 4pin	1/4-28 4 pin
electrical connection location	-	-
mounting	10-32 UNF through hole	10-32 UNF 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:

