

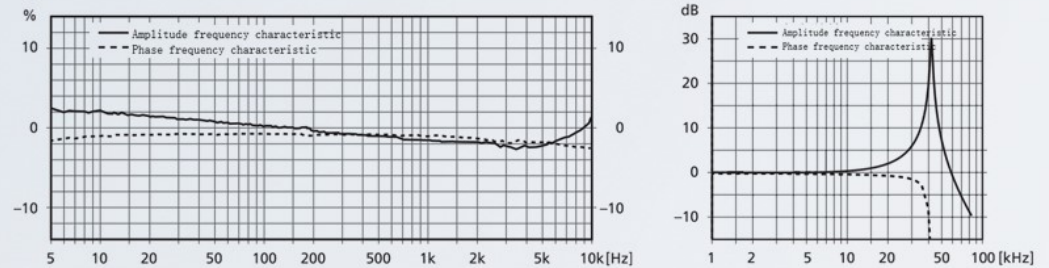
Piezoelectric Voltage output type (IEPE) accelerometer

Industrial mono-axial accelerometer Model: G124E Version: G124Ev221EN

PERFORMANCE

	ENGLISH	SI
sensitivity ($\pm 10\%$)	100mV/g	10.2mV/(m/s ²)
measuring range	± 50 g pk	± 490 m/s ² pk
frequency range(± 3 dB) [2]	0.5~10kHz	0.5~10kHz
resonance frequency [1]	>25K	>25K
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	± 5000 g pk	$\pm 49,000$ m/s ² pk
temperature range	-40~+248° F	-40~+120°C
Electrical character		
excitation voltage [4]	+18~28 VDC	+18~28 VDC
excitation current [5]	2~10 mA	2~10 mA
bias voltage [1]	12 \pm 2V	12 \pm 2V
electrical isolation	Isolation	Isolation
output polarity [1]	positive	positive
physical character		
sensing element	ceramic	ceramic
Geometry	shear	shear
housing material	Stainless steel	Stainless steel
sealing mode	laser welding	laser wleding
dimension	1.80×0.78×0.98 in	45.8×20×25mm
weight [1]	1.97oz	56g
electrical connector	2pin MIL-C5015	2pin MIL-C5015
electrical connection location	side	side
mounting	∅ 6.1 through hole	∅ 6.1 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:

