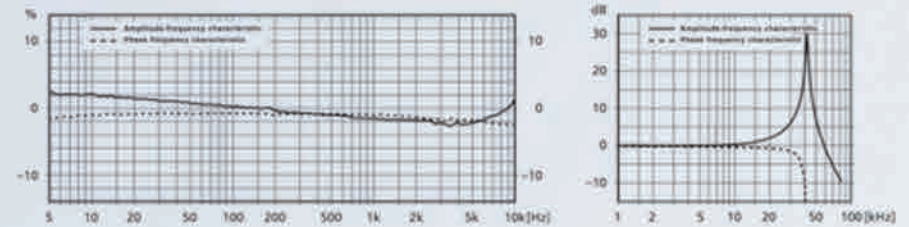


Piezoelectric Charge output type (PE) accelerometer

High-temperature monoaxial accelerometer Model: H114C.5 Version: H114C.5v221EN

PERFORMANCE	ENGLISH	SI
sensitivity ($\pm 10\%$)	5 pC/g	0.51 pC/(m/s ²)
measuring range	± 600 g pk	$\pm 5,880$ m/s ² pk
frequency response($\pm 5\%$) 【2】	15kHz	15k Hz
frequency response($\pm 10\%$) 【2】	16kHz	16k Hz
resonance frequency 【1】	≥ 48 k	≥ 48 k
Nonlinear 【3】	$\leq 1\%$	$\leq 1\%$
lateral sensitivity	$\leq 5\%$	$\leq 5\%$
Environmental character		
overload limit	± 800 g pk	$\pm 7,840$ m/s ² pk
temperature range	-85 \sim +392° F	-65 \sim +200 °C
Electrical character		
capacitance 【4】	1250 pF	1250 pF
insulation resistance	$\geq 1 \times 10^{11} \Omega$	$\geq 1 \times 10^{11} \Omega$
output polarity 【1】	positive polarity	positive polarity
electrical isolation	-	-
physical character		
sensing element	ceramics	ceramics
stucture mode	shear	shear
shell material	Stainless	Stainless
sealing mode	laser welding	laser welding
dimensions	0.51 \times 1.02in	13 \times 26mm
weight 【1】	0.42 oz	12 g
electrical connector	10-32 UNF	10-32 UNF
electrical connection location	top entry	top entry
mounting thread	10-32 UNF	10-32 UNF

TYPICAL FREQUENCY RESPONSE:



NOTE:

- 【1】 Inherent characteristics
- 【2】 The low frequency response is determined by the external signal conditioner
- 【3】 least square method
- 【4】 It depends on the material and quantity of sensing elements

DRAWING:

