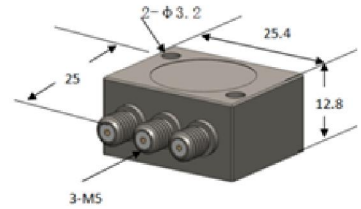


YD38 Piezoelectric acceleration sensor (IEPE)

Feature:

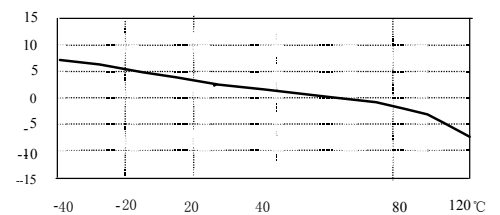
- three-way output, can measure X, Y, Z direction at the same time;
- built-in IEPE preamplifier;
- through hole installed;



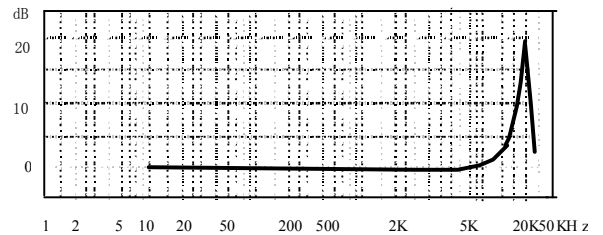
Technical indicators:

Dynamic characteristic	
Measuring range	±100g
Transverse sensitivity(25°C) ±5%	50 mV/g (160Hz)
Frequency response (±1dB)	1-5,000Hz
Installed resonance frequency	≥15,000Hz
Transverse sensitivity ratio	≤5%
Electrical performance	
Excitation voltage	18VDC-28VDC
Constant current source excitation (mA)	2-10mA
Output impedance	< 100 Ω
Full range output (peak)	±5V
Noise	< 50μV
Bias voltage	+6-+8V
Ambient characteristic	
Working temperature	-40°C ~ +120°C
Shock limit (peak)	±1000 g
Temperature response	see attachment
Physical characteristic	
Structure type	cut
The shell material	304 stainless steel
Output method	3-M5
Installation method	2-φ3 through hole
Piezoelectric material	PZT-5
Weight	~ 34g
Annex	
Mounting bolts	M3 hexagonal bolt
Cable	Dual-headM5 universal shielded cable 2 m

shape dimension



temperature curve



typical frequency response curve

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