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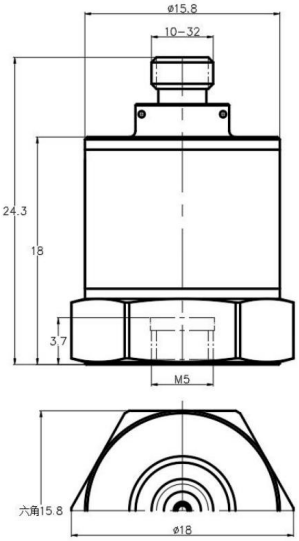
Ultra-high Temperature Differential Charge Output Accelerometer

Model No: 685AH4

Product Features:

- High-Temperature Vibration Testing Charge Output Sensor
- Designed specifically for high-temperature testing environments, this sensor features a special structure, high-temperature piezoelectric materials, and a heat-resistant casing.
- Standard models are available in a series, with various output forms and a range of measurement ranges to choose from.
- Top 10-32 thread output.



Technical specifications

Features	Units	685AH4
Sensitivity	pC/g	50
Measuring Range	g	±800
Frequency Response ±5%	Hz	1-6k
Frequency Response ±10%	Hz	1-9k
Amplitude Linearity	%	⩽1
Transverse Sensitivity	%	⩽5
Mounting Resonant Frequency	kHz	⩾30
Environmental		
Base strain	g/ε	0.0008
Shock Limit [1]	g pk	3000
Maximum Vibration [2]	g rms	2000
Sensitivity Temperature Coefficient	%/℃	0.040
Operating Temperature	℃	-50~300
Sealing Type	IP68	Laser welding
Electrical Parameters		
Output Type		Differential
Element Capacitance	pF	2300
Element Insulation Resistance	Ω	⩾1×10 [11]
Structure		
Sensitive Element		High-Temperature Piezoelectric Ceramic
Sensitive Element		Nickel-Based Alloy
Sealing Type		Laser welding IP68
Output Connector		10-32 top end
Installation Type		M5
Insulation Resistance to Ground	Ω	⩾1×10 [8]
Mass	g	23
Recommended Installation Torque	N·m	3.0

Notes: 1,2: Refer to the sensor's mechanical structure not being damaged while in a non-powered state.

Product Factory Configuration:

- User Manual
- Factory Calibration Report
- Standard 3-meter High-Temperature Cable
- Installation Screws