

JA-25 Series

ACCELEROMETER



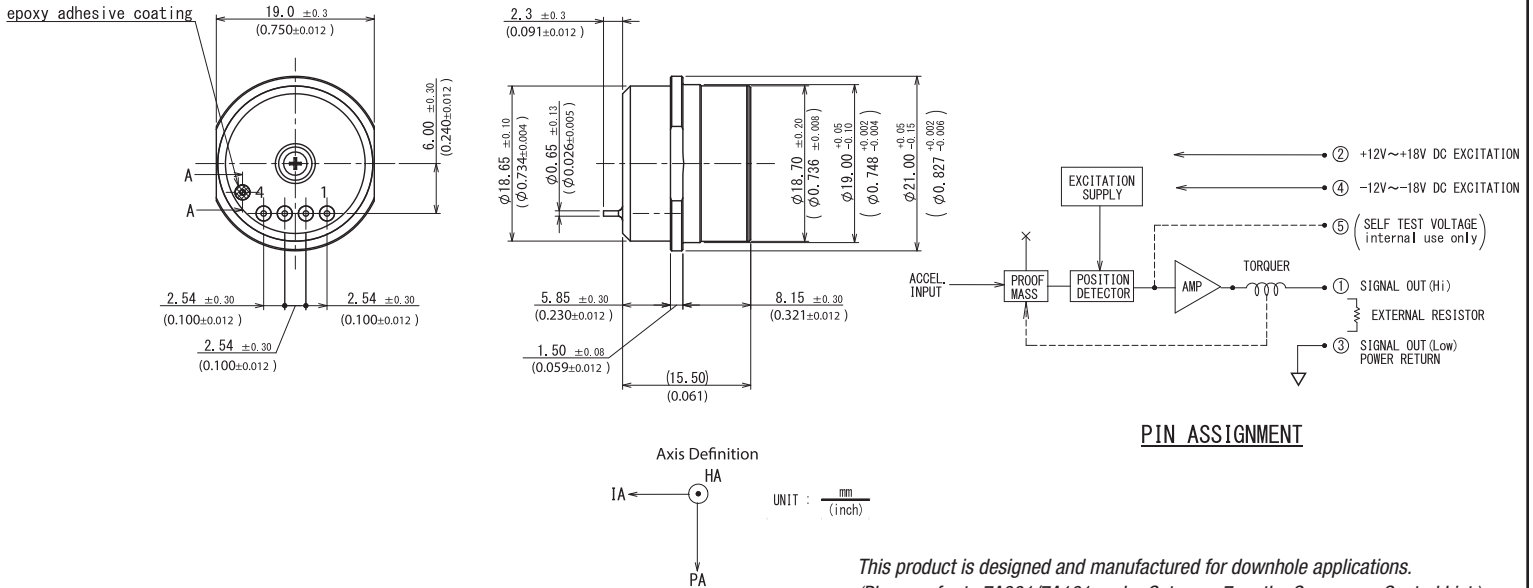
TECHNICAL DATA

Model Number		JA-25GA	JA-25H200A
Flange Type		(Round)	(Round)
Environmental			
Temp. Operating		-40 to +175°C	-40 to +200°C
Vibration, sine		30 G 0 - peak, 30 - 500 Hz	
Vibration, Random		15 - 500 Hz, 20 Grms	
Shock Operating (0.5 msec, Half Sine)		1,000 G (-40 to 70°C)	
		400 G (+70 to +175°C)	400 G (+70 to +200°C)
Shock Survival (0.5 msec, Half Sine)		1,000 G (-40 to 70°C)	
		1,500 G	
Electrical			
Input Voltage		±12 to ±18 V _{DC}	
Input Current (quiescent)		5.5 mA max.	
Insulation Resistance (Power return to Case)		50 MΩ min. @50 V _{DC}	
Mechanical			
Dimensions		See Back	
Weight		20 grams max.	
Performance			
Scale Factor	Nominal (@25°C)	1.3 mA/G ±5%	
	Temp. Coefficient (-40 to +100°C)	±180 ppm/°C max.	
	Temp. Coefficient (High Temp)	±300 ppm/°C max. (100 to 175°C)	±1,000 ppm/°C max. (100 to 200°C)
Bias	Nominal (@25°C)	±15 mG max.	
	Temp. Coefficient	±100 µG/°C max.	±150 µG/°C max.
Axis Alignment	Nominal (@25°C)	±3.0 mrad max.	
	Temp. Coefficient	±5 µrad/°C max.	
Noise, 0 to 500 Hz		4 µA rms max.	
Noise, 500 to 10 kHz		14 µA rms max.	
Measurement Range		±4 G min.	
Resolution		1 µG	
Linearity		±0.01% Full Scale max.	
Frequency Response		600 Hz min.	
Long Term Stability (1 year)		1,800 µG max.	



Specifications may change without notice.
∴ 1G = 9.80665 m/s²

DIMENSIONS



*This product is designed and manufactured for downhole applications.
 (Please refer to 7A001/7A101 under Category 7 on the Commerce Control List.)
 Please do not use for other purposes.*

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