

BSD120

FIBER OPTIC GYROSCOPE

- Digital closed-loop mode, bias stability: 0.006°/h ~ 0.015°/h,
- 10s smoothin Small size:120mm×120mm×35mm, light weight: ≤840g
- High precision, simple structure, wide dynamic range,short start-up time and strong resistance to vibration and shock.

APPLICATIONS



Ultra-precise north-seeking, ultra-high-precision inertial navigation



PERFORMANCE

Parameters	BSD120A	BSD120B
Input Range	± 500 °/s	± 500 °/s
Bias Stability	≤ 0.003°/h (10 s)	< 0.006 °/h (10 s)
Bias Repeatability	≤ 0.003 °/h	≤ 0.006 °/h
Random Walk Coefficient	≤ 0.0003 ° / √ h	≤ 0.0006 ° / √ h
Scale Factor Non-linearity	≤ 2 ppm	≤ 5 ppm
Scaling Factor Repeatability	≤ 2 ppm	≤ 5 ppm
Scale Factor Asymmetry	≤ 2 ppm	≤ 5 ppm
Startup Time	≤ 1s	
Bandwidth	>200 HZ	
Power Supply	±5V (Single power supply -5,+5 available)	
Power	≤ 6 W	
Operating Temperature	- 40 ~ 65 °C	
Storage temperature	- 50 ~ 80 °C	
Vibration	20 ~ 500 Hz , 0.06 g ² /Hz	
Shock	30 g, 11ms	
Data Refresh Date	200 ~ 2000 Hz	
Baud Rate	115200 ~ 921600 bps	
Output Mode	Broadcast (Default) / Triggered (Customized)	
Interface	RS-422	
Connector	J30J-15ZKP	
Dimensions	120×120×35mm	
Weight	840 g	