

BSD60

FIBER OPTIC GYROSCOPE



- Digital closed loop mode, Bias stability: 0.05°/h~0.5°/h
- Small size: 60mm×60mm×30mm, Light weight: ≤150g
- High precision, simple structure, wide dynamic range, short start-up time, strong resistance to vibration and shock.

APPLICATIONS



Small IMU 、 INS 、 Seeker

Servo tracking 、 Optoelectronic pod 、 UAV 、 USV

PERFORMANCE

Parameters	BSD60A	BSD60B	BSD60C	BSD60D
Input Range	± 500 °/s	± 500 °/s	± 500 °/s	± 500 °/s
Bias Stability	≤ 0.05 °/h	≤ 0.1 °/h	≤ 0.2 °/h	≤ 0.5 °/h
Bias Repeatability	≤0.05 °/h	≤ 0.1 °/h	≤ 0.2 °/h	≤ 0.5 °/h
Random Walk Coefficient	≤ 0.005 ° / √ h	≤ 0.01 ° / √ h	≤ 0.02 ° / √ h	≤ 0.05 ° / √ h
Scale Factor Non-linearity	≤ 30 ppm	≤ 50 ppm	≤ 80 ppm	≤ 100 ppm
Scaling Factor Repeatability	≤ 30 ppm	≤ 50 ppm	≤ 80 ppm	≤ 100 ppm
Scale Factor Asymmetry	≤30 ppm	≤ 50 ppm	≤ 80 ppm	≤ 100 ppm
Startup Time	≤ 1s			
Bandwidth	>200 HZ			
Power Supply	±5V (Single power supply -5 , +5 available)			
Power	≤ 2.5 W			
Operating Temperature	- 40 ~ 65°C			
Storage temperature	- 50 ~ 80 °C			
Vibration	20 ~ 2000 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-15TJL			
Dimensions	60×60×30 mm			
Weight	150 g			