

TBSD60

FIBER OPTIC GYROSCOPE

TRIPLE -AXIS

- Digital closed-loop mode, bias stability : 0.05°/h ~ 0.5°/h
- Small size : 112mm×112mm×77.5mm, lightweight : ≤1200g
- High accuracy , short start-up time, strong resistance to vibration and shock.

APPLICATIONS



Small IMU , INS.

Servo-tracking , Seeker.



PERFORMANCE

Parameters	TBSD60A	TBSD60B	TBSD60C	TBSD60D
Input Range	± 1000 °/s	± 1000 °/s	± 1000 °/s	± 1000 °/s
Bias Stability	≤0.05 °/h	≤ 0.1 °/h	≤ 0.3 °/h	≤ 0.5 °/h
Bias Repeatability	≤0.05 °/h	≤ 0.1 °/h	≤ 0.3 °/h	≤ 0.5 °/h
Random Walk Coefficient	≤0.005 ° / √ h	≤ 0.01 ° / √ h	≤ 0.03 ° / √ 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		+24 V		
Power		≤18 W		
Operating Temperature		- 45 ~ 70 °C		
Storage temperature		- 55 ~ 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		
Connecter		J30J-15TJL		
Dimensions		112×112×77.5 mm		
Weight		1200 g		