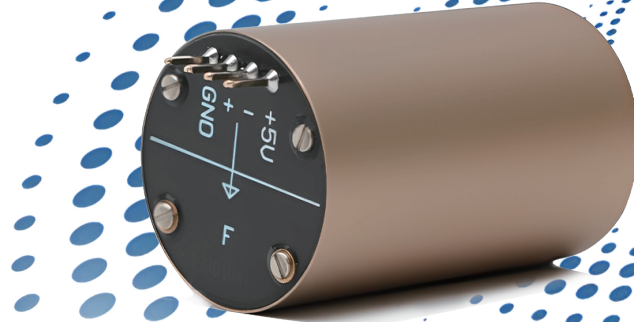


## BSD217 FIBER OPTIC GYROSCOPE



- Suitable for carrier attitude control and measurement
- The BSD217 fiber-optic gyroscope is an integrated optical, mechanical, and electrical angular rate sensor. Based on the Sagnac effect, it incorporates various micro- and

### APPLICATIONS



Small IMU, INS, Seeker.

Servo tracking, Electro-optical pod, UAV

### PERFORMANCE

Parameters	BSD217	BSD217
Input Range	±500 °/s	±300 °/s
Scale Factor	3600 (LSB/o/s)	7mv/o/s
Scale Factor Non-linearity	300 ppm	≤1000ppm
Bias Stability	≤2 (10s, 1σ,°/h)	≤2.5 (10s, 1σ,°/h)
Bias Repeatability	≤1.5 (1σ,°/h)	≤2 (1σ,°/h)
Angular Random Walk	≤0.03°/h <sup>1/2</sup>	≤0.04°/h <sup>1/2</sup>
Zero Bias	≤0.02 °/s	≤0.05°/s
3dB Bandwidth	≥300 Hz	≥450Hz
Power Supply	5±0.15 V	5+0.15V
Power Consumption	≤1.5 W	≤0.7W
Dimensions	φ24×39mm	
Magnitude of Random Vibration	20g	
Frequency Range	20-2000Hz	
Operating Temperature	-40~+65°C	
Storage Temperature	-55~+85°C	
Weight	≤30g	