

37-Series FOG Optical Module

■ Product Description

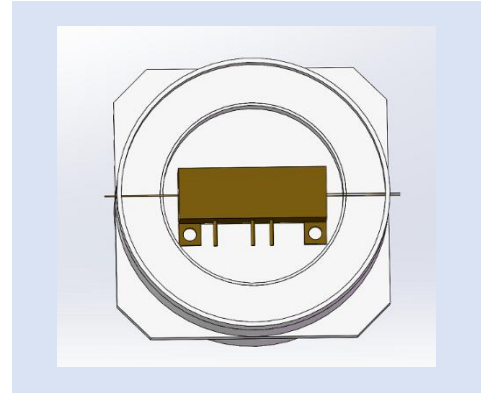
This series optical module is an optical component applied to ultraminiature FOG and also a special optical module that is fused and assembled by fiber-optic coils and optical devices (Y-waveguide, photodetector) in the order of gyroscope's optical path. It can replace fiber-optic coil, Y-waveguide and other separated parts for direct modular installation on the gyroscope, thus simplifying the assembly process of the FOG.

■ Product Features

- High integration
- Small size Light weight
- High reliability

■ Product Application

- FOG



■ Product Specifications

Indicator	Unit	Index
Product Type	/	37B
Dimensions	mm	37x37x14.6
Typical Operation Wavelength	nm	1310
Fiber Coil Length	m	400±10
Bias Stability At Room Temperature	°/h	≤0.15
Bias Stability At Full Temperature	°/h	≤0.4
Bias Repeatability (1σ)	°/h	≤0.15
Scale Factor Repeatability (1σ)	ppm	≤50
Scale Factor Nonlinearity	ppm	≤50
Scale Factor Asymmetry	ppm	≤50
Dynamic Range	°/s	±500
Operation Temperature Range	°C	40~+70

■ Customized Information

- Different performance modules can be customized according to customer needs.