

Introduction

Rayzer's **F98 Fiber Gyro Coil** is designed for closed-loop $\phi 98$ Fiber Optic Gyroscope, with medium precision. It is in compact structure, long service life, high reliability, anti-vibration, quick relatively started, low noise and low cost.

With strong R&D capability and our own designed high performance Fiber Coil Winding Machine ZKRZ-RHJ4.0, we provide the specific design of the winding frame, customized Fiber Coil, and also the fiber coil winding process service, according to customer's requirements.



Application

- ◆ Vehicle Positioning and Navigation
- ◆ Satellite Attitude Control
- ◆ Aircraft and Ship Attitude System
- ◆ North Finder

Specification

Fiber Coil Index	Unit	Value
Fiber Inner Diameter	mm	75±0.1
Height(Exclude Boss)	mm	12.5±0.1
Outer Diameter	mm	≤91
Winding layers(Exclude Backup Layer)	Layer	52
Number of Turns	T	90±1
Winding Length	M	1230±10
Fiber Type	/	PM1550/80/135
Operating Wavelength	nm	1550
Polarization CrossTalk @ Room Temperature	dB	≤-22
Polarization CrossTalk Variation @ Full Temperature	dB	≤3
Insertion Loss	dB	≤ 0.6
Insertion Loss Variation @Full Temp.	dB	≤ 0.1
Working Temperature	°C	-40°C~65°C

*All above fiber coils are available to be customized.

* Specifications are subject to change without notice.