

## Introduction

Rayzer's **F70 Fiber Gyro Coil** is designed for small closed-loop  $\phi 70$  Fiber Optic Gyroscope, with low and medium precision suitable for the customer's special requirement small size fiber coil and small optical devices. It is good for the application of small space Fiber Optic Gyroscope design.

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

- ◆ Attitude Control of Vehicle
- ◆ Industrial Robots
- ◆ Aviation, Aerospace, Navigation

## Specification

Fiber Coil Index	Unit	Value
Fiber Inner Diameter	mm	58.4±0.1
Height(Exclude Boss)	mm	12.1±0.1
Outer Diameter	mm	≤64
Winding layers(Exclude Backup Layer)	Layer	32
Number of Turns	T	88±1
Winding Length	M	555±10
Fiber Type	/	PM1310/80/135
Operating Wavelength	nm	1310
Polarization CrossTalk @ Room Temperature	dB	≤-22
Polarization CrossTalk Variation @ Full Temperature	dB	≤3
Insertion Loss	dB	≤ 0.35
Insertion Loss Variation @Full Temp.	dB	≤ 0.1
Working Temperature	℃	-40℃~65℃

\*All Fiber Coils are available to be customized.

\* Specifications are subject to change without notice.