Michelson Fiber Optic interferometers

Specialist in Special Optic Devices

Introduction

CSRAYZER's Fiber Optic Interference is the basic phenomenon of optics, so this phenomenon is also an important useful application. By replacing the lens system, the fiber optical path is soft, the shape can be changed, and it could work in long transmission distance. The product is applied in variety harsh environments of strong electromagnetic interference, flammable and explosive working conditions , such as Fiber Optic Gyroscope, Optical Switch, Optical positioning device, and many other fields.

Application

- **Fiber Sensor**
- **Optical Fiber Underwater Acoustic System**
- **Optical Fiber Geophysical System**

Specification

Parameters	Unit	Values
Center Wavelength	nm	1550±20nm
Excess Loss	dB	0.3
Directivity	dB	55
Polarization Dependent Loss	dB	0.25
Insertion Loss	dB	0.7
Max Tensile Load	N	5
Operating Temperature	℃	-45+70
Storage Temperature	℃	-55+85
Water Pressure Resistance	Mpa	5-25
Fiber Type	nm	SMF28e bare fiber 7/125um BI bare fiber 7/80um BL bare fiber

*IL is 0.3 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

*Above specifications are for device without connector and may change without notice.

Ordering Information

GSY-①-②-③-④-⑤-⑥-⑦-⑧-⑨

①Center Wavelength	② Configuration	③Coupling Ratio	④Package Dimension	⑤Fiber Type	⑥Input Fiber Length	⑦Output Fiber Length	⑧Fiber Jacket	⑨Connector
1550-1550nm	1x2	1-1/99	2.5x20	SM1500-SM1500	1-1M	S-Specify	0-Bare Fiber	FU-FC/PC)
	2x2	50-50/50	2.4x25	SM1500HT-SM-1500HT	1.5-1.5M		1-900 μ m Loose Tube	FA-FC/APC
	3x2	S-Specify	2.4x30	G657A1	S-Specify			N-None
			3.0x3.0	BL1015A-BL1015A				
				BL1015B-BL1015B				
				S-Specify				