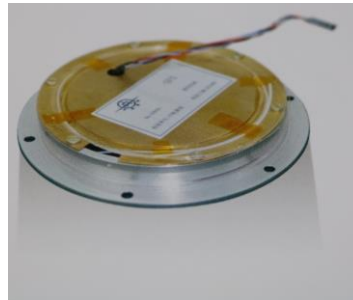


1550nm Super fluorescent Fiber Source for High precision Fiber

Optic Gyroscope



Description:

SFS-1550-PM-FA-10 Super fluorescent Fiber Source(SFS)is designed by FOGPhotonics,inc in 2017.It is special designed for High precision fiber optic gyro with operating wavelength at 1550nm.Wide Spectral width and Good temperature stability is the characteristic of our SFS light source .It has great role in Fiber Optic Gyroscope and fiber sensor,testing source because our SFS it has a high output power and long working life. We adopt the PWM Temperature control technology.This technology has low power consumption and easy for Miniaturization.

Applications:

- Fiber sensor
- High precision wavelength Light source
- Fiber optic gyro (FOG)

Optical Parameters:

Parameters	Value	Unit
Output Power	> 10	mw
8h output power stability at room temperature	≤0.5%	
output power stability at full temperature	≤1%	
Spectral Width	≥10	nm
Ripple	≤1	db
Central wavelength	1550	nm
Central wavelength shift	≤2	ppm/°C
Output fiber	SM/PM	
Fiber length	1	m
Fiber Connectors	FC/APC	

Mechanical and environmental parameters

Dimensions: ϕ 78mmx20mm

Weight: ≤200g

Installation surface accuracy requirements: plane accuracy 0.01mm

Operation Temperature: -45-+71°C

Storage Temperature: -55-+85°C

Power supply: +5V

Ordering Information:

Products Code	Wavelength	Output Fiber	Fiber Connectors	Output fiber
SFS	13=1310nm	SM=SMF-28E	FA=FC/APC	05=5mw
	15=1550nm	PM=PM1550	FP=FC/APC N=None	10=10mw