

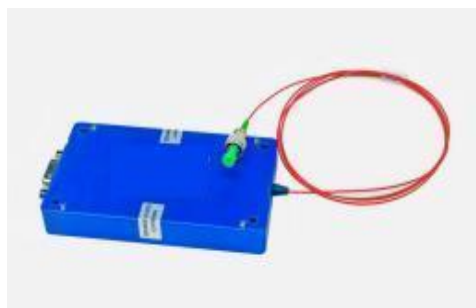
External cavity narrow linewidth laser source (3/5KHz)

The external cavity narrow linewidth laser module adopts a butterfly shaped external cavity narrow linewidth laser, combined with a professionally designed laser driver circuit and The TEC control circuit ensures the safe and stable operation of the laser. This laser can be applied in fields such as scientific research, production testing, etc. It is a light source Fiber sensing, the ideal light source for LiDAR, can provide various module packaging according to customer requirements.

Characteristic

Application

- Narrow line width (<3/5KHz)
- Power and spectral stability
- Module/Desktop Package
- Fiber optic sensing
- Laser radar
- Research on Nonlinear Optics



Parameter indicators	Unit	Value	Note
Working wavelength	nm	1550	
Output line width	Khz	5KHz/3KHz	
Output power	mW	20	
Frequency stability	MHz	50MHz	
Short term stability (15 minutes)	dB	≤ 0.01	
Long term stability (8 hours)	dB	≤ 0.05	
Fiber type	-	PM1550	
Fiber optic output terminal type	-	FC/APC	
Working temperature	°C	-5 ~ +55	
Storage temperature	°C	-40 ~ +85	
Supply voltage	V	DC 5	
Product size	mm	102x57x14	
Communication protocol	RS232		

Ordering information

	wavelength	power	line width	Fiber type	Connection head form	Module size
LT-ECLNL	1550=1550nm	20=20mW	3K=3KHz 5K=5KHz	09-0.9mm 30-3mm	FA=FC/APC FU=FC/UPC	M=102x57x14