

Multimode fiber-coupled laser (643nm)

Overview

This laser adopts semiconductor laser chips. The professionally designed driver and temperature control circuit ensure the safe operation of the laser through temperature control. The output power and spectrum are stable, and it features multi-mode fiber output.



Feature

- The spot quality is excellent
- Spectral and power stability
- Desktop and modular packaging

Application

- Laser spot indication
- Laser imaging
- Device testing

Parameter

Optical Parameter	Units	Typical Values	Notes
Wavelength	nm	643	
Wavelength accuracy	nm	± 5	
Working Mode	—	Continuous-wave	
Maximum Output Power	mW	150	By wavelength
OP regulation range	—	10~100%	
S-term FS(15 min)	dB	$\leq \pm 0.02$	$\sim \leq \pm 0.5\%$
L-term FS(8 h)	dB	$\leq \pm 0.05$	$\sim \leq \pm 1.2\%$
Tail Fiber Type	—	105/125 μm 多模光纤	
Connector Type	—	FC/APC	
Polarization	—	Random	
Laser grade	—	Class 3	

Electrical & environmental	Basic	Module
Control Mode	Button	RS232
Communication Interface	Optional	DB9 Female
Power Supply	AC100~240V , <30W	DC5V3A or DC12V3A
Dimensions(mm)	260 (W) × 280 (D) × 120 (H)	125 (W) × 150 (D) × 20 (H)
Operating temperature	$-5^{\circ}\text{C} \sim +35^{\circ}\text{C}$	
Operating humidity range	0~70%	

Ordering Information

FL	Wavelength (nm)	Pout (mW)	Tail Fiber Type	Package Type
	643	150	MM = Multimode Fiber	M = Module B = Basic