

1550nm 1mW 50nm Bandwidth Benchtop LED Light Source



● Product Description

LED light sources feature a broad spectrum, high energy efficiency, long lifespan, compact design, and ease of operation, making them widely applicable in fields such as sensors, instruments, and biomedicine.



- **Product features**

High energy efficiency; High stability; Low coherence; Compact modular design; Long lifetime

- **Part Number**

MP-LEDS-1550-1-50

- **Application area**

Optical sensing | Bioimaging | Industrial inspection | Communication experiments | Instrument calibration

- **Core parameters**

Center Wavelength	Bandwidth	Power
1550nm	50nm	1mW

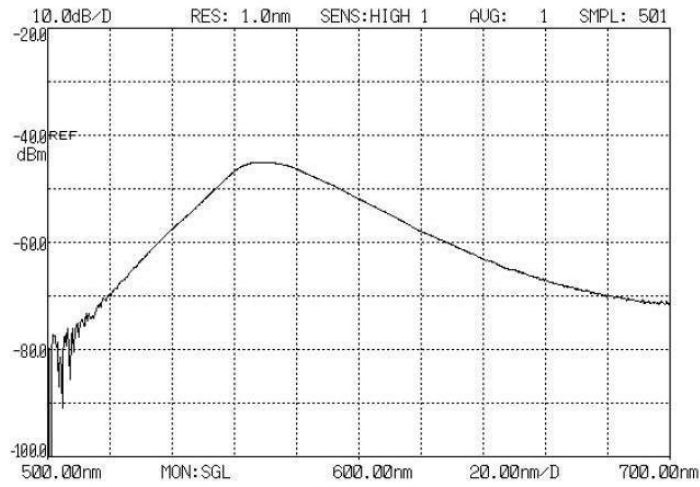


● General Parameters

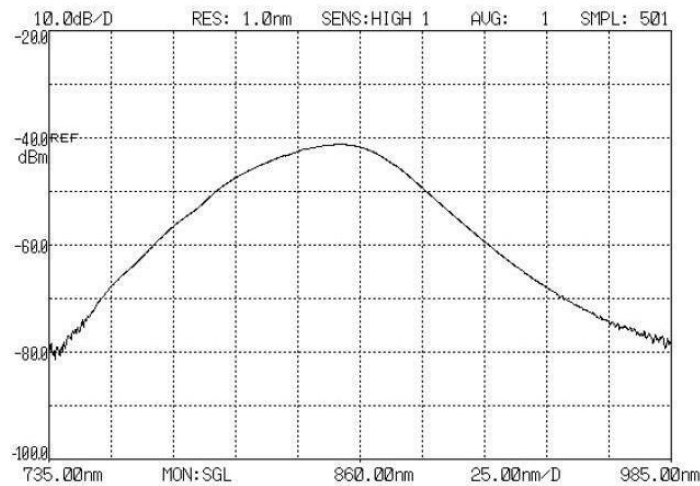
Detailed Parameter

Parameter	Unit	Value		
Center Wavelength	nm	365-970	1000-1650	1750-4600
Bandwidth	nm	10-50	50-150	150-900
Output Power	mW	~1-10	~1	~1
Connector		ST, FC, SMA		
Fiber Type/Core Diameter	μm	MMF/core: 50, 62.5, 100, 200, 400, 800, 1000		
Control Voltage*	mV	0-750		
Control Input Impedance*	kΩ	20		
Modulation Rise Time*	μs	0.3		
Power Supply (Turn-key)		110-120 VAC/60 Hz, 220-240VAC/50Hz		
Power Supply (OEM)		5VDC, 70 mA		
Operating Temperature	°C	10-40		
Dimensions	mm	50 x 90 x 130		
*Optional, available only for versions with a control signal.				

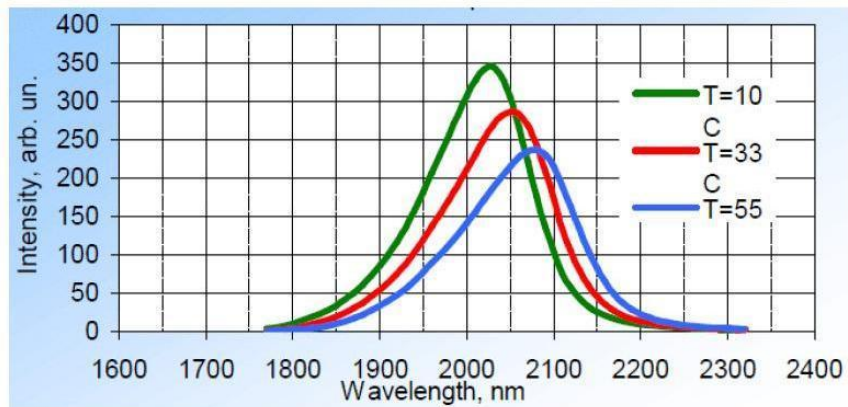
Characteristic Curves



570 nm



850 nm



2025 nm