

LS-DS501 型 SLD 台式光源

超辐射发光二极管 (SLD) 单路输出台式光源, 输出功率不高于 3mW。内置微机实施安全监控, 采用高精密恒流源设计与高精度脉宽调制 (PWM) 精密温度控制技术。输出光功率与光谱稳定, 生产工艺控制与测试流程严格, 长期稳定性优于 2% (8hr)。适用于生产线、测试线、实验室等应用条件下的光电检测与实验。

Super luminescent diode (SLD) single output table light source, with output power not higher than 3mW. The built-in microcomputer implements safety monitoring, and adopts high-precision constant current source design and high-precision pulse width modulation (PWM) precise temperature control technology. The output light power and spectrum are stable, the production process control and testing process are strict, and the long-term stability is better than 2% (8hr). It is suitable for photoelectric detection and experiment in production line, test line, laboratory and other application conditions.

主要特点 Features

- 输出光功率高 High output optical power
- 输出光功率稳定性高 High stability of output optical power
- 波长稳定性高 High wavelength stability

应用领域 Applications

- 光纤传感 Optical fiber sensing
- 光纤通信系统测试 Optical fiber communication system test
- 光纤器件的生产与测试 Production and Testing of Optical Fiber Devices
- 光纤光栅, DWDM 和滤波器测试 Fiber Bragg Grating, DWDM and Filter Testing
- 生物医疗 Biomedical



性能参数:

参数 Parameter	性能指标 performance index			
	最小值	典型值	最大值	单位
输出功率	1.0		3.0	mW
中心波长	1530	1550	1570	nm
光谱带宽	30	45	-	nm
长期稳定度(8 小时)	-	0.6	2.0	%
短期稳定度 (1 小时)	-	0.4	0.6	%
工作环境温度	+5		+40	°C
参考外形尺寸	300 × 220 × 85			mm
电流调节范围	0-200mA			
光连接器	FC/PC 或 FC/APC			
开机启动时间	<5s			
供电电压	190Vac~250Vac			
供电电流	<0.4A			