



# LED/SLED Broadband High Stable Light Source (OS)

## ► Description

Relying on high accuracy automatic power control (APC) and automatic temperature control (ATC) techniques, the LED/SLED broadband light sources deliver stable output power in both short term and long term. These light sources can work at CW, internal modulate, and external modulate modes.

LED offers low power broadband light source. SLED offers relatively higher output power. These LED and SLED work at wavelength range of 1310nm, 1480nm, 1550nm and 1620nm.



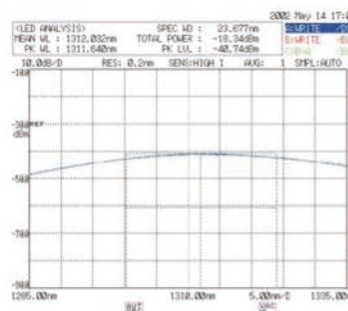
260x240x113mm Desktop

## ► Features

- Selected wavelength. Customer orders are available
- High stable output power
- Broadband light source

## ► Applications

- Optical fiber component manufacture & test
- Optical system test



## ► Specifications:

Parameter \ Source	1310 LED	1550 LED	1310 SLED	1480 SLED	1550 SLED	1620 SLED
Central wavelength (nm)	1310±20	1550±20	1310±20	1480±20	1550±20	1620±20
Radiation source	LED		SLED			
-3dBm spectrum width(nm)	≥30		≥40			
Output power(μW)	≥10		≥500			
Spectrum density stability*	≤±0.05dB/15min					
Short term stability*	≤±0.02dB/15min					
Long term stability*	≤±0.05dB/8hours					
Output attenuation(dB)	0 to 5.9(±0.5), at 0.1dB step					
Operating mode	CW, Internal modulate, External modulate					
Internal modulate(digital)	Square wave at 270Hz, 1kHz, 2kHz (occupancy 50±10%)					
External modulate	Digital, Analog (DC to 10MHz, TTL level), BNC connector					
Fiber pigtail	Single mode SMF-28e					
Output connector	FC/PC, FC/UPC or FC/APC					
Operating temperature(°C)	0~+40					
Storage temperature(°C)	-20~+70					
Power supply	AC220/110V±10%, 50Hz, 20W					
Dimensions(L×W×H)(mm)	260×240×113					

\*Note: Stability is tested at room temperature 23±2°C after pre-heating 60 minutes, CW

## ► Order Information:

OS-X-XXX-XX



Distributor



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