1050nm ASE Light Source

Amonics
Specialist in Optical Amplifiers

1060nm - CW

Key Features

- Wide spectral range
- Good spectral stability
- Compact
- Good performance cost ratio
- Highly reliable and durable

Benchtop Casing



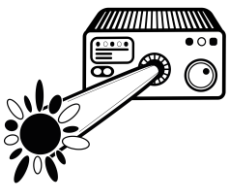
Description

Amonics' ALS-1050 series offers a Ytterbium-doped fiber ASE broadband light source in the wavelength range of 1000nm to 1100nm, offering 10mW and 20mW output power. It is particularly useful for 1060nm fiber laser component characterization.

The benchtop version incorporates a user-friendly front panel housing a LCD monitor display, key switch, power control knob and optical connectors. RS232 or Ethernet computer interface is also equipped.

The OEM module version is an ideal building block for OEM system integration, especially for fiber optical sensing and optical tomography applications. It requires a single +5V power supply only.

Application



- Optical tomography



- Fiber Optic Sensing



- Component characterization

ISO 9001 : 2015
Certificate No.: CC 5346

Our product is manufactured under a HKQAA ISO 9001 certified quality management system. The ISO 9001:2015 certification applies to the Hong Kong production site only.

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Specifications

Model	ALS-1050-10	ALS-1050-20
Output Power	Min. 10 mW	Min. 20 mW
Spectral Range	1040 nm to 1075 nm	1020 nm to 1080 nm
Min. Spectral Density	-12 dBm/nm	-12 dBm/nm
Output Stability	Max. ± 0.03 dB (over 8 hrs), Max. ± 0.005 dB (over 5 mins)	Max. ± 0.03 dB (over 8 hrs), Max. ± 0.005 dB (over 5 mins)
Output Isolation	Min. 40 dB	Min. 40 dB
Output Polarization	Max. 5 %	Max. 5 %

Other output power models available upon request

General Parameters

	Benchtop	Module
Operation Temperature	0 to 40 ˚C	0 to 40 ˚C
Storage Temperature	-10 to 70 ˚C	-10 to 70 ˚C
Power Supply	90 – 240 VAC, 47 – 63 Hz	5.0 ± 0.1 VDC
Dimensions	260(W) x 330(D) x 120(H) mm	Customized on request
Electrical Connector	NA	14-pin MIL Socket
Protection	Pump laser (TEC) overheat	Pump laser (TEC) overheat
Optical Power Monitoring	Output power	Output power
Mechanical Safety Control	Key-lock switch, BNC interlock key	NA
Remote Control Port	RS232 / Ethernet	NA
Optical Connector	FC/APC, FC/UPC, SC/APC,SC/UPC	FC/APC, FC/UPC, SC/APC,SC/UPC
Optical Fiber	HI 1060	HI 1060

Ordering Information

Product Code	ALS-1050-aa-b-cc	aa : Output power in dBm b : M for Module, B for Benchtop cc : FA for FC/APC, FC for FC/UPC, SA for SC/APC, SC for SC/UPC

Amonics undertakes continuous and intensive product development to ensure its product performance at the highest technical standards. As a result, the specifications in this document are subject to change without notice.

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