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# 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**



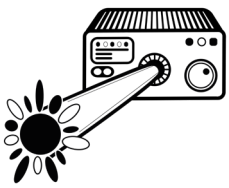

## Description

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.

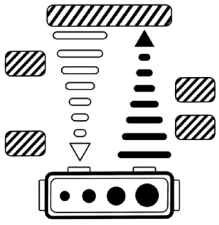
The benchtop version incorporates a user-friendly front panel housing a LCD monitor display, key switch, power control knob and optical connectors. RS232 or Ethernet computer interface is also equipped.

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.

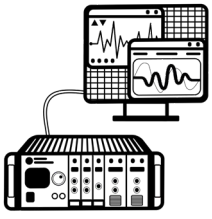
## Application



- 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.

# 1050nm ASE Light Source

## 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),<br>Max. ± 0.005 dB (over 5 mins) | Max. ± 0.03 dB ( over 8 hrs),<br>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<br>b : M for Module, B for Benchtop<br>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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