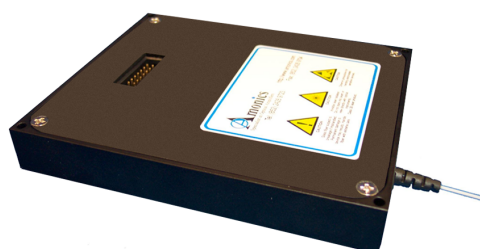
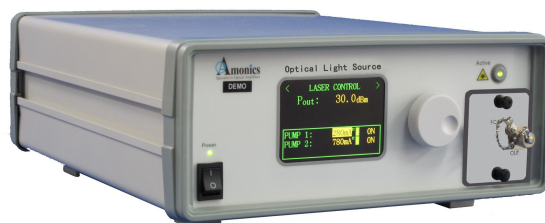


Applications

- Fiber Optic Sensing
- Optical Tomography
- DWDM Component Characterization
- Optical Gyroscope



Description

Amonics Superluminescent Diodes (SLDs) are high output power, stable, incoherent broadband sources with wide wavelength coverage including 650nm, 680nm, 750nm, 800nm, 830nm, 950nm, 980nm, 1050nm, 1270nm, 1300nm, 1480nm, 1550nm, 1580nm, and 1620nm. To meet specific requirements, Amonics' SLD can be housed in both benchtop case and compact driver-ready module.

The benchtop version incorporates a user-friendly front panel housing with 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 in fiber optic sensing and optical tomography applications. It requires a single +5V power supply only.

Key Features

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

Specifications

Wavelength: 650 – 1620nm

SMF power and FWHM cover a wide range on each center wavelength. Customization is available. Please contact us on the required specifications.

General Parameters

Parameters	Unit	Benchtop	Module
Operation Temperature	°C	0 to 40	
Storage Temperature	°C	-10 to 70	
Power Supply	V	90 – 240VAC, 47 – 63Hz	5.0 VDC± 0.1 VDC
Dimensions	mm	260(W) x 330(D) x 120(H)	100(W) x 120(D) x 18(H)
Electrical Connector	-	NA	14-pin MIL Socket
Protection	-	Pump laser (TEC) overheat	
Optical Power Monitoring	-	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	
Optical Fiber	-	Single mode fiber	

Option

- PM fiber coupling
- Output isolation



Ordering Information

Product Code	ASLD-xxx-yyy-a-bb	xx: Wavelength in nm/10 yyy: Typical output power in mW*10 a: M for Module, B for Benchtop bb: FA for FC/APC, FC for FC/UPC SA for SC/APC, SC for SC/UPC
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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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