

Applications

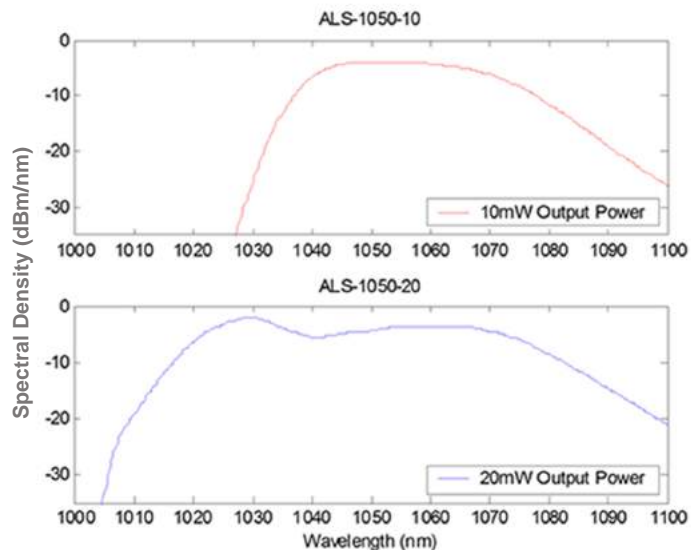
- Fiber optic sensing
- Optical tomography
- Component characterization
- High Power Fiber Laser

Description

Amonics' ALS-1050 series are Ytterbium-doped fiber ASE broadband light source in the wavelength range of 1000nm to 1100nm offering 10mW and 20mW output power, which is particular useful for 1060nm fiber laser component characterization. Amonics' ALA-1050 are available in benchtop or OEM module. In the benchtop unit, the output power, alarms and driving current values are shown on the LCD display. Output power can be adjusted by tuning the front panel control knob. Also active emission button is used to enhance operation safety. The OEM module version is an ideal building block for OEM system integrators especially for fiber optical sensing and optical tomography applications. It requires only a single +5V power supply with low power consumption.

Key Features

- Wide spectral range
- High output power
- Good spectral stability
- Compact size
- Good performance cost ratio
- Two year warranty



1050nm ASE Broadband Light Source Specifications

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

* Other output power models are available upon request

General Environmental Parameters

Parameter	Unit	Benchtop	Module
Operation Temperature Range	°C	0 to 40	0 to +50
Storage Temperature Range	°C	-10 to 70	-10 to +70
Power Supply	V	90 – 240 VAC, 47 – 63 Hz	5.0 VDC
Dimensions	mm	260(W) x 330(L) x 120(H)	100(W) x 120(L) x 18(H)
Electrical Connector	-	NA	14-pin MIL Socket
Protection	-	Pump laser over heat warning	Pump laser over heat warning
LCD Display	-	Pump Laser Current (mA)	NA
Control	-	Keylock switch, output power	NA
Computer Interface	-	RS232 / Ethernet	NA
Optical Connector	-	FC/APC, FC/UPC, SC/APC, SC/UPC	
Optical Fiber	-	HI 1060	



Ordering Information

Product Code	ALS-1050-xx-y-zz	xx: Output Power in mW y: M for module, B for Benchtop zz: FA for FC/APC, FC for FC/UPC SA for SC/APC, SC for SC/UPC
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Amonics undertakes a continuous and intensive product development to ensure its products perform to highest technical standards As a result, the specifications in this document are subject to change without notice.

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