

### Applications

- Fiber optic sensing
- Optical tomography
- DWDM component characterization

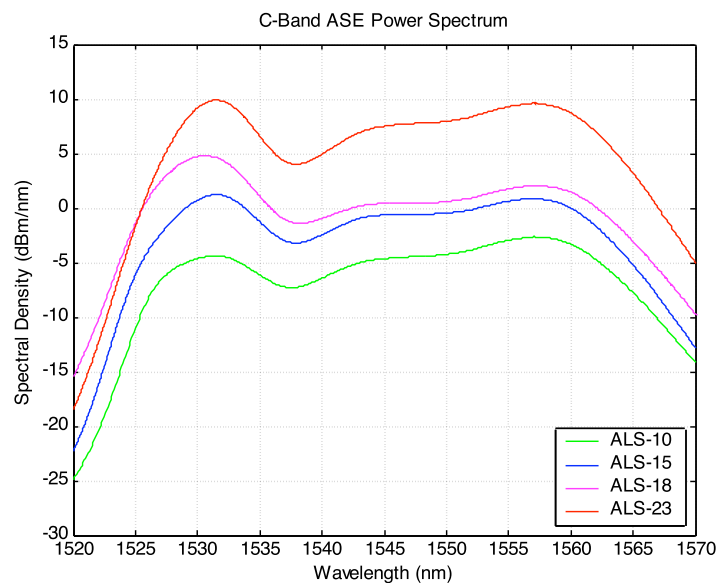


### Description

Amonics C-band ASE light source feature high output power, very wide spectral range and high stability against temperature change. Amonics' C-band ASE light source 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 in fiber optic 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



**C-Band ASE Broadband Light Source Specifications**

	ALS-10	ALS-15	ALS-18	ALS-20	ALS-23
Output Power	Min.10dBm	Typ.15dBm Min.14dBm	Typ.18dBm Min.17dBm	Typ.20dBm Min.19dBm	Typ.23dBm Min.22dBm
Min.Spectral Density	-10dBm/nm	-5dBm/nm	-3dBm/nm	0dBm/nm	+2dBm/nm
Spectral Range	1528nm to 1564nm				
Output Stability	< + / -0.02dB (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 +60
Storage Temperature Range	°C	-10 to +70	-10 to +70
Power Supply	V	90 – 240 VAC, 47 – 63Hz	5.0 VDC
Dimensions	mm	260(W) x 330(L) x 120(H)	70(W) x 100(L) x 14(H) for ALS-10, 100(W) x 120(L) x 18 (H) for ALS-15, 120(W) x 200 (L) x 25(H) for ALS-18, ALS-20, ALS-23
Electrical Connector	-	NA	14-pin MIL Socket
Protection	-	Pump laser over heat warning	Pump laser over current warning
LCD Display	-	Pump Laser Current (mA)	NA
Control	-	Keylock switch, output power	NA
Computer Interface	-	RS232 or Ethernet	NA
Optical Connector	-	FC/APC, FC/UPC, SC/APC, SC/UPC	
Optical Fiber	-	SMF-28	

**Option:**

- Gain Flattening Filter

**Ordering Information**

Product Code	ALS-xx-y-zz	xx: Output Power in dBm 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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