



# 1.5um ASE Light Source

AC Photonics' 1.5µm ASE light sources series provide broad wavelength range covering from C to L band and high output power to help you maximize your capabilities of optical component spectral measurements and systems compliance tests both in manufacturing and R&D environments.



## Features

- Wide Spectral Bandwidth
- High Power Density
- High Spectral Stability
- High Performance-to-Cost Ratio
- Optional Build-in Attenuator and Optical Power Monitor

## Applications

- Optical Components Test
- R&D Test
- Sensors and Imaging

## Performance Specifications

Parameter	C Band	L Band	C+L Band
Total Output Power (dBm)	15 to 24	13 to 23	13
Operating Wavelength (nm)	1527 to 1568	1565 to 1610	1525 to 1610
Gain Flattened Range (nm)	1529 to 1565	1570 to 1603	1526 to 1603
Number of Output Ports	1, 2 or 4		
Port to Port Variation (dB)	±0.4	±0.4	±0.5
Total Power Stability* (dB)	0.02	0.02	0.02
Operating Wavelength (nm)	1527-1568	1565-1610	1525-1610
Spectrum flatness (dB)	1.5-2.5	1.5-2.5	2.5
Output Polarization	Un-polarized		
Output Isolation (dB)	45		
Return Loss (dB)	55		
Operating Temperature(°C)	0 ~ +50		
Storage Temperature(°C)	-40 ~ +85		
Humidity (non-condensing) (%)	0 ~ 95		

\* Measured at 23°C after one hour warm up

## Ordering Information

<b>AELS</b>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<b>Wavelength</b>	<b>Output Power</b>	<b>Number of Outputs</b>	<b>Connector</b>	<b>Package</b>	<b>Interface</b>
	CB = 1527-1568nm LB = 1565-1610nm CL = 1525-1610nm	13 = 13dBm 15 = 15dBm 17 = 17dBm 20 = 20dBm 21 = 21dBm 22 = 22dBm 23 = 23dBm 24 = 24dBm	1 = 1 output 2 = 2 outputs 4 = 4 outputs	1 = FC/APC 2 = FC/PC 3 = SC/APC 4 = SC/PC ... custom	B = Bench Top R = Rack Mount M = Module G = Gain Block ... custom	R = RS232 U = USB Empty = N/A