



# OZ Optics

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## ASE FLAT SPECTRUM C-BAND MODULE - OEM

**PRELIMINARY**

### Features:

- High output power from 13 dBm
- Flat spectral bandwidth with ripple  $< \pm 0.5$  dB
- Covers C-band
- High stability
- High performance-to-cost ratio
- Optional built-in attenuator
- Pump TEC and current driver included

### Applications:

- OSNR measurement
- Optical components testing
- Telecom system compliance testing
- Optical fiber sensors and sensing systems
- WDM
- Biomedical imaging
- Coherent communication systems

### Product Description:

The ASE (Amplified Spontaneous Emission) broadband low coherence light source is an ideal instrument for optical component spectral measurement and system compliance testing in manufacturing and R&D environments. The ASE source comes with a flat spectrum with peak-to-peak ripples less than 1 dB over 1529 nm to 1562 nm, which makes it very useful for Optical Signal-to-Noise Ratio and sensor interrogation applications. The unit comes with a nominal 13 dBm output power and it is provided with an internal or external monitor port. The output light is accessed via a pigtailed 9/125  $\mu$ m singlemode fiber. A variety of standard connector types are available. Custom connectors can also be accommodated. The unit is packaged in a low profile OEM box with built-in driver.

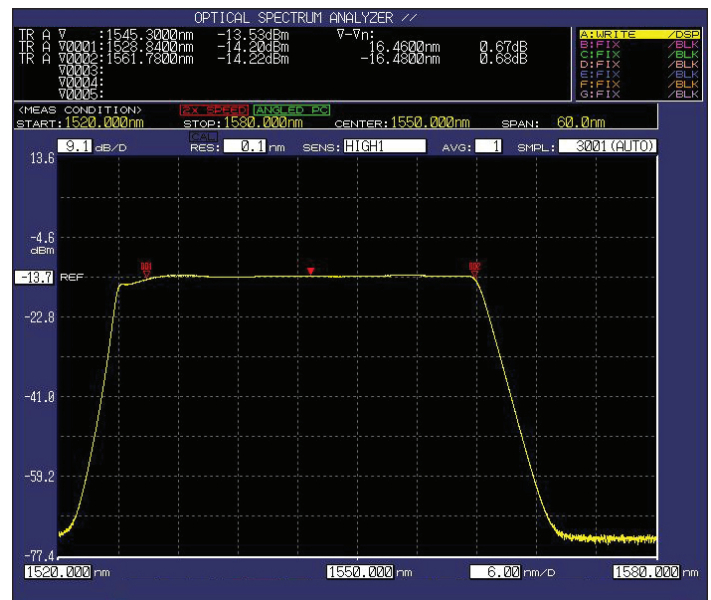
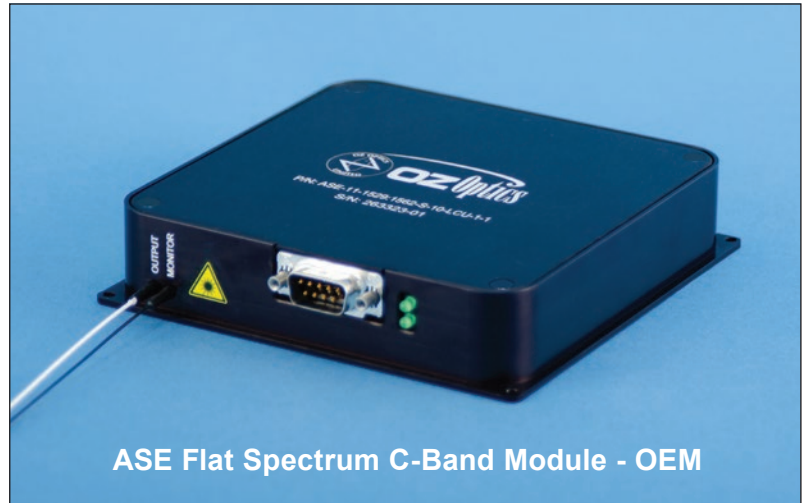


Figure 1. Output spectrum

## Product Specifications:

Parameters	Unit	C - Band
Total Output Power	dBm	13
Total Power Stability	dB	0.02
Operating Wavelength Range	nm	1529–1562
Spectrum Flatness	dB	< ±0.5
Output Polarization		Un-polarized
Output Isolation	dB	45
Input Voltage	V	5 to 12
Driving Current	mA	< 400
Dimensions	cm	< 20 x 20 x 5
Return Loss	dB	55
Operating Temperature Range	°C	0 to +40
Storage Temperature Range	°C	-40 to +80
Humidity Non-Condensing	%	0 to 85

## Custom Ordering Information:

OZ Optics welcomes the opportunity to provide custom designed products to meet your application needs. As with most manufacturers, customized products do take additional effort so please expect some differences in the pricing compared to our standard parts list. In particular, we will need additional time to prepare a comprehensive quotation, and lead times will be longer than normal. In certain cases non-recurring engineering (NRE) charges, lot charges, and/or a minimum order will be necessary. These points will be carefully explained in your quotation, so your decision will be as well-informed as possible.

## Description: ASE Flat Spectrum C-Band Module - OEM

Part Number: **ASE-11-1529:1562-S-PP-X-JD-L**

**PP** = Output Power in dBm:  
Power should be within  
the range of 7 to 13 dBm.

**X** = Receptacle Style:

- X = No connector
- 3 = Standard flat, Super, or Ultra FC/PC
- 3A = Angled FC/PC
- 8 = AT&T-ST
- SC = SC
- SCA = Angled SC
- LC = LC
- MU = MU

**L** = Fiber length, in meters

**JD** = Jacket Diameter

- 1 = 900 micron OD hytrel jacket
- 3 = 3 mm OD PVC loose tube with Kevlar

See table 7 in the *Standard Tables* data sheet  
for other cable types.  
[https://www.ozoptics.com/ALLNEW\\_PDF/DTS0079.pdf](https://www.ozoptics.com/ALLNEW_PDF/DTS0079.pdf)

See the *Standard Tables* data sheet for other connectors.  
[https://www.ozoptics.com/ALLNEW\\_PDF/DTS0079.pdf](https://www.ozoptics.com/ALLNEW_PDF/DTS0079.pdf)