



ASE Fiber Source & ASE/EDFA Combo

ORION Series



*shown with integrated 17dBm EDFA

Description

ORION is an Amplified Spontaneous Emission (ASE) light source offered with various output power levels according to the application requirements.

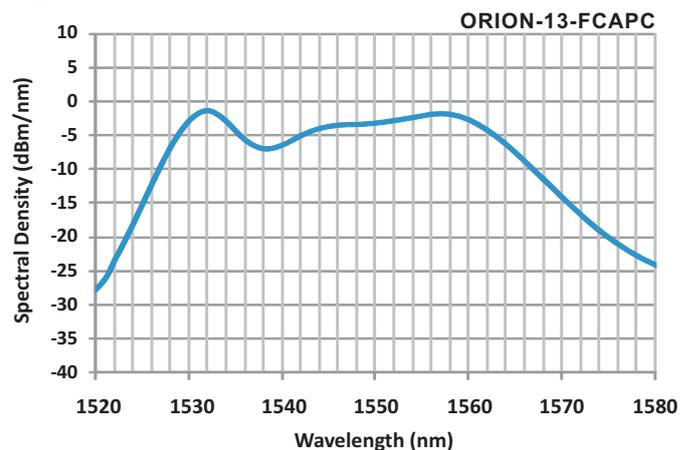
In addition, CONSTELEX offers the ORION-CB, a customer-inspired combo product that includes an ASE source co-packaged with independent tailor-made optical amplifiers.

The product is offered in a 10.5" benchtop enclosure and includes on/off key switch and current control for adjusting the emission status and pump current of the ASE source and amplifier. The front panel allows for monitoring the emission status, pump current and temperature. A serial interface with an easy-to-use software and GUI is also available for remote monitoring and control of the device.

Applications

- Seeding in Passive Optical Networks
- Product Testing
- Optical Fiber Sensor Networks

Typical Performance



Specifications

ORION-C Series			
Specification for ASE	Value	Units	Notes
Spectrum range	1528-1565	nm	
Output Power	10 - 23	dBm	
Optical isolation	> 40	dB	
Polarisation sensitivity	< 0.2	dB	
Environmental Conditions			
Operating Temperature	15 - 50	°C	
Storage Temperature	-20 to +60	°C	
Humidity	0 - 90 %		
Electrical & Mechanical Specifications			
Operating Voltage	85 - 264	VAC	@ 47-63 Hz
Interface	Serial		RS-232 & GUI
Power Consumption	< 20	W	depending on model
Dimensions	26 x 27 x 10	cm	
Ordering Information			
Order Code: ORION-C-X-FCAPC		X: O/P Power in dBm	
For ORION-CB models please contact us for more information			
Other connectors available upon request			
All information is accurate and subject to change without notice.			



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