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TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
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Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
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Expert team | Trust guarantee | 100% satisfaction

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BWC-ASE

White Light Test Source



BWC-ASE series white light test source produces amplified spontaneous emission (ASE) in the range of 1520 to 1570, 1520 to1620, and other custom wavelength with a high spectral power density. It is constructed from a special doped fiber, resulting wavelength and power stability.

Highlights

- Covering C and C+L bands: 1520-1570 or 1520-1620nm
- Custom wavelength band available
- Highly stabilized optical output power
- Compact and rugged design
- Various fiber optic connector options
- Best performance/cost ratio

Typical Applications

- Passive WDM component testing
- Sensor instrument
- Optical Coherence Tomography
- Near-Infrared Spectroscopy

B&W TEK INC.
19 Shea Way, Newark, DE 19713, USA · Web: www.bwtek.com
Tel: (302) 368-7824 · Fax: (302) 368-7830 · E-mail: info@bwtek.com

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Artisan Scientific - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisan-scientific.com

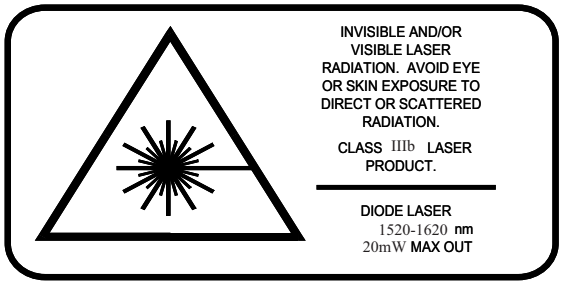
BWC-ASE

White Light Test Source

Typical Specifications

Optical		
	-ASE-1	-ASE-2
Wavelength (nm)	1520-1570	1520-1620
Power Output (total)[1]	> +10 dBm (> +5 dBm with gain flattening option)	
Spectral Density (typical)	>-20 dBm/nm for 1525-1565nm (>-23 dBm/nm with gain flattening option)	>-20 dBm/nm for 1525-1610nm (>-23 dBm/nm with gain flattening option)
Gain Flatness	+/-1.0 dB (with gain flattening option)	
Power Stability[2]	+/-0.1 dB (over 8hrs)	
Dependence of Polarization (DOP)	2-5%	
Fiber Type	Corning SMF-28	
Fiber Output	FC/APC	
Electronic		
Input Power	100-240 VAC @ 1Amp	
Mechanical		
Physical Dimensions	155mm (w) x89mm (h) x255mm (d)	
Cooling	Internal Thermal Electric Cooler	
Weight	5 lbs	
Environmental		
Ambient Temperature	10 to 35°C	
Storage Temperature	-10 to 50°C	

1. Custom option of higher power output up to 20mW available
2. Measurement after 1 hour stabilization at 23+/-0.5^{0}C ambient



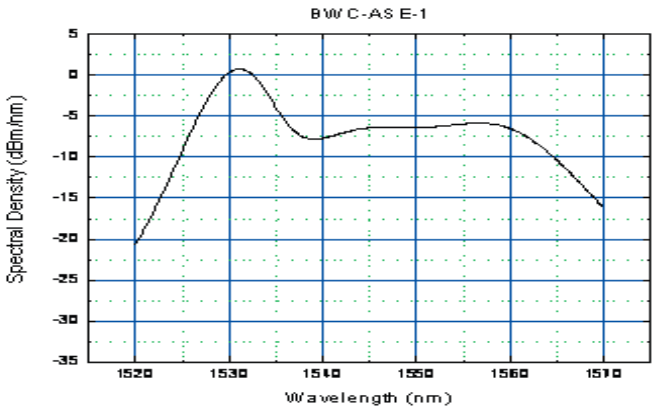
DISCLAIMER:
This product complies with the requirements with Federal Regulations CDRH 21 CFR 1040.10. This laser is intended for scientific and industrial applications only and is not for use as a medical device.

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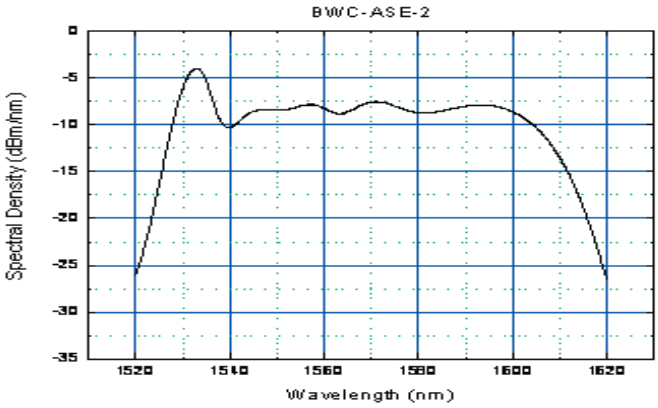
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Spectral Emission Curves

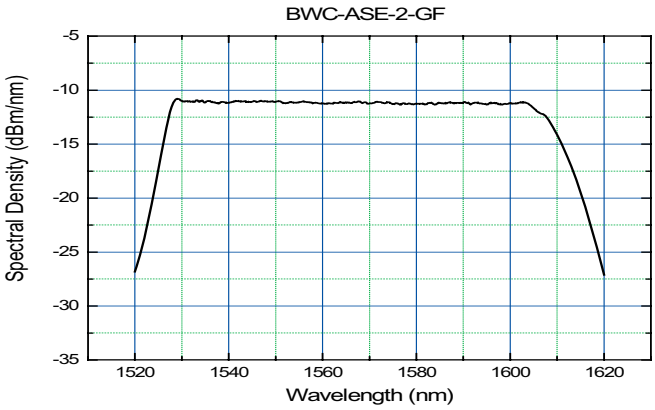
BWC-ASE1



BWC-ASE2



BWC-ASE2-GF



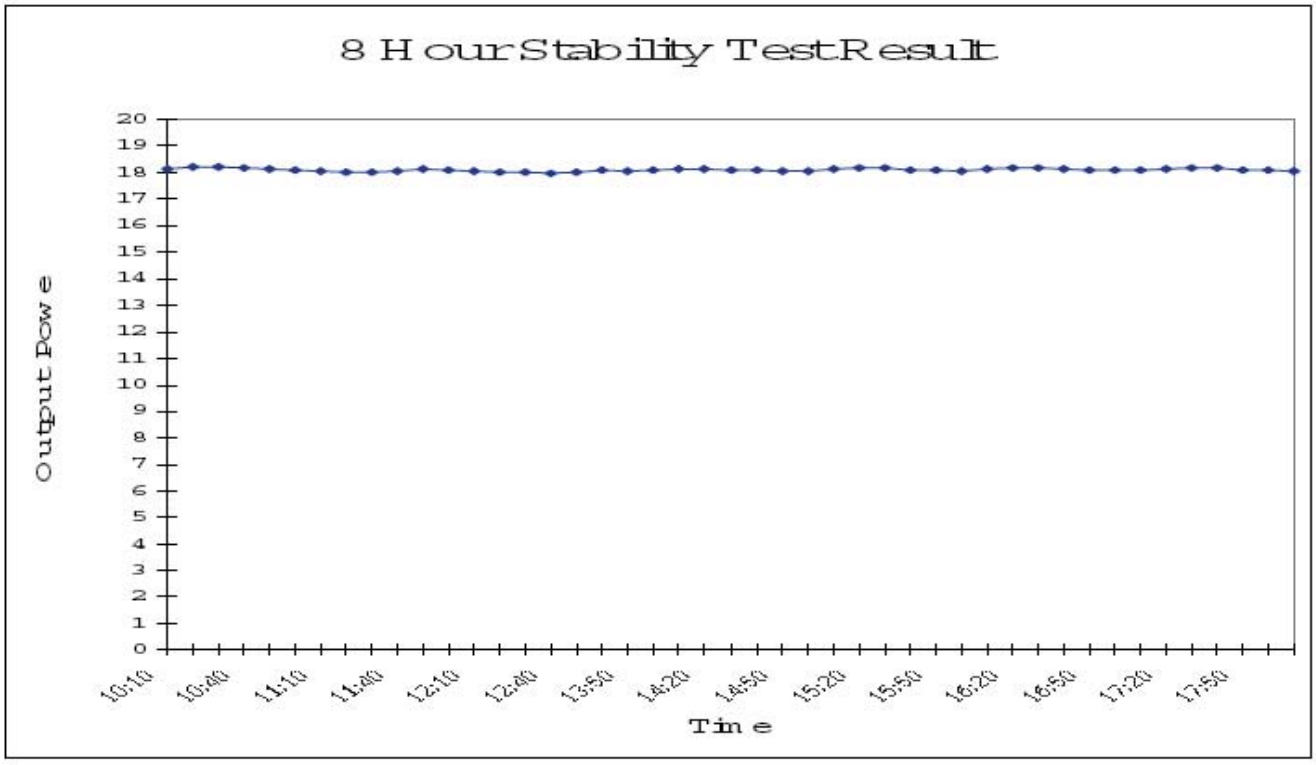
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BWC-ASE

White Light Test Source

Typical Stability Performance



Ordering Information

BWC	-	ASE	-	X	-	GF
Series		Model		Wavelength Option Code		Gain Flattening Option

1. 1520 – 1570 nm
2. 1520 – 1620 nm

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