



C-band Flat ASE Laser Source

1. Product Description

Beogold's low coherence broad band ASE laser source is designed for industrial manufacturing and laboratory R&D applications. Its unique ATC and APC circuit control technology ensures the stable output power. It features high output power, low polarization, wide spectral width. It is small and of high stability and reliability.

With DC 5V power supply and upper computer software, you can read and set the module parameters via R232 communication serial port in real time.

2. Features

Excellent spectrum flatness, small output ripple

High adjustable output power

High stability and reliability

Customized output power and configuration



3. Applications

Fiber optic sensing

Component testing and measuring

Medical and biological imaging

Fiber optic communication

4. Optical Specifications

Parameter	Unit	Minimum	Typical	Maximum
Operating Wavelength Range	nm	1526	-	1563
Output Optical Power	dBm	-	-	17
Output Power Stability (Short Term) (1)	dB	-	-	0.03
Output Power Stability (Long Term) (2)	dB	-	-	0.2
Full Temperature Power Stability	%	-	-	5
Spectrum Flatness (Room Temperature)	dB	-	1	1.5
Operating Temperature	Module	°C	-20	+60
	Benchtop	°C	0	+60
Storage Temperature Range	°C	-45	-	+85
Humidity (3)	%	5	-	90
(1) Test period of 15 minutes.				
(2) Test period of 8 hours.				
(3) No condensing.				

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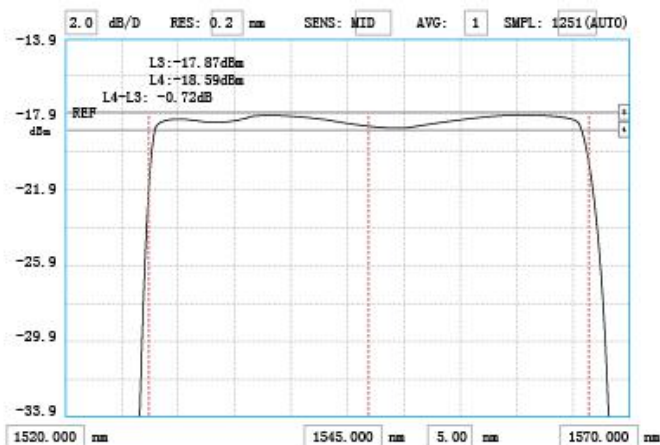
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5. Electrical Specifications

Structure Type	Parameter	Specification	Unit	Remark
Module	Power Supply	DC +5V/GND		
	Power Consumption	<3	W	At room temperature
Benchtop	Power Supply	AC 220V		
	Power Consumption	<10	W	At room temperature

6. Output Spectrogram



7. Mechanical Structure

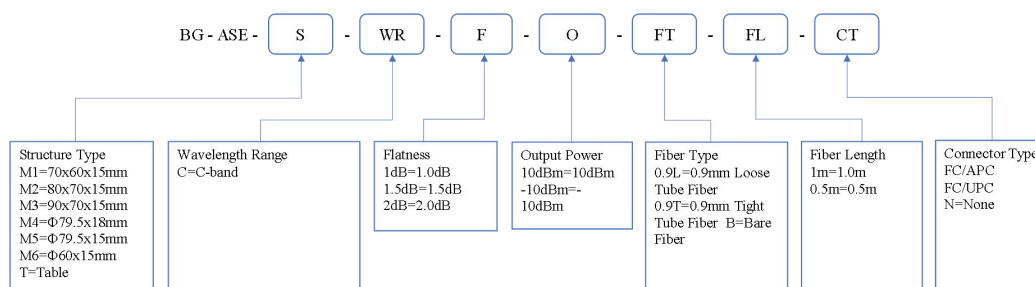
Structure Type	Parameter	Specification	Unit	Remark
Module	Dimensions	90x70x15	mm	Can be customized
	Power Interface	DC+5V/GND		Typical
	Output Pigtail Fiber	SMF		
	Communication Interface	RS232		Customized
Benchtop	Dimensions	260.6x162.8x76	mm	
	Power Interface	N-L-C AC220V		
	Optical Output Interface	FC/APC type of connectors		Customized
	Communication Interface	Console or RJ45		
	Cooling Fan	1	PCS	



8. Communication Type

Structure Type	Parameter	Specification	Remark
Module	Communication Interface	26-Pin serial port	Customized
	Protocol	RS232	
	Communication User Interface	Read and set optical output power	
Table	Communication Interface	Ethernet or RS232	
	Protocol	SNMP or RS232	
	Communication User Interface	GUI	

9. Ordering Information



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