



Electro Optical Components, Inc.

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520,650nm Single Mode Laser System



RealLight Technology's single-mode fiber pigtailed and free space output semiconductor light source in 520 nm and 650 nm are specially developed for optical experiment and particle size measurement applications. This series has been in batch production. They has compact size, stable power, and are easy to operate. It can meet the demand of universities and institutes for red and green light sources in teaching and research.

Key Features

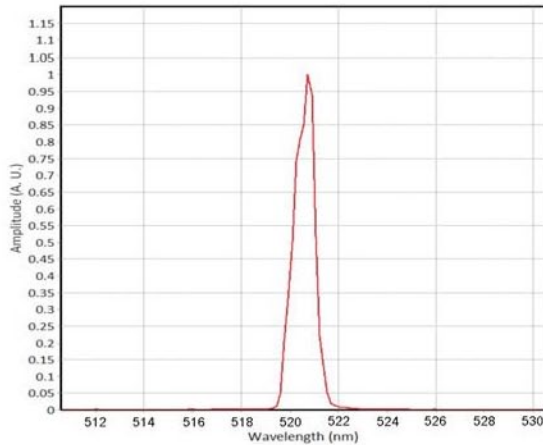
- ◆ Both fiber coupled and free space output available
- ◆ Compact structure
- ◆ Contains slow start, short circuit protection functions

Standard Wavelengths

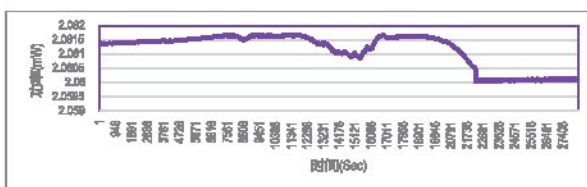
- 520nm
- 650nm

Applications

- Holographic
- Particle Measurement
- Laser Aiming
- Optical Experiment



520nm Laser Spectrum

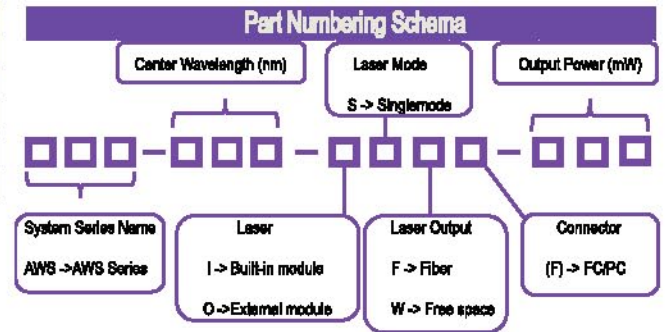


520nm Power Stability@8H

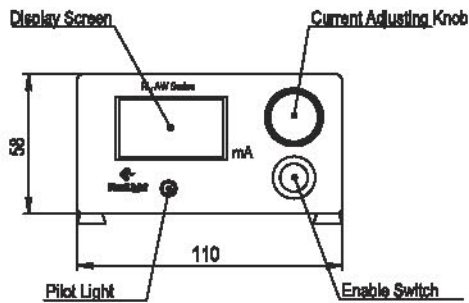
Optical Parameters				
System	AWS-520-ISF	AWS-520-OSW	AWS-650-ISF	AWS-650-OSW
Center Wavelength(nm)	520		650	
Output Power (mW)	2	5	2	5
Wavelength Tolerance (nm)	±6		±5	
Spot Size (mm)	-	1.5×2	-	1.5×2
Extinction Ratio	-	100:1	-	100:1
Linewidth (nm)	1			
Power Stability	±1.5% @8H			
System Parameters				
Adjustability% Full Power	0-100%			
Warm up Time	15 min			
Output Configuration	FC/PC	Free space	FC/PC	Free space
Fiber Core	2.5µm	-	3.5µm	-
Supply Voltage	100-240VAC,50/60Hz			
Power Consumption	<2 W			
Storage Temperature	-10-60 °C			
Storage humidity	0-80% RH			
Operating Temperature	10-35 °C			
Weight	2.0 Kg			
Dimensions	Power Supply: 110x58x173 mm		Laser head: 36x35x79mm	

Ordering Information

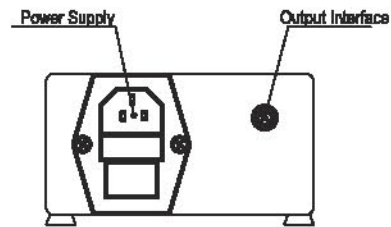
AWS Let Model List				
Wavelength(nm)	Power(mW)	Part Number	Connector	Laser Head
520	2	AWS-520-ISFF-002	FC/PC	Built-in
	5	AWS-520-OSW-005	Free space	External
650	2	AWS-650-ISFF-002	FC/PC	Built-in
	5	AWS-650-OSW-005	Free space	External



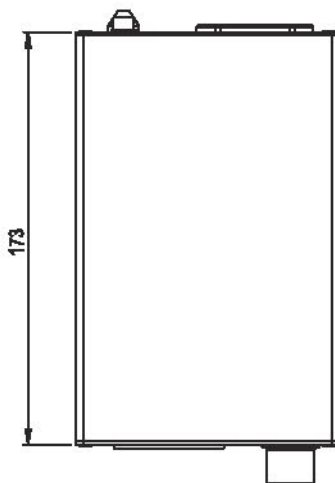
Mechanical Specifications



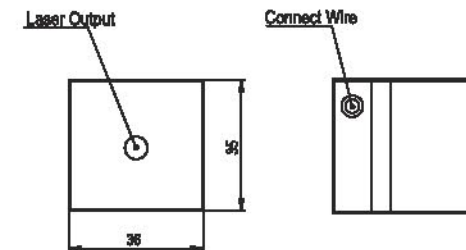
Front View



Back View

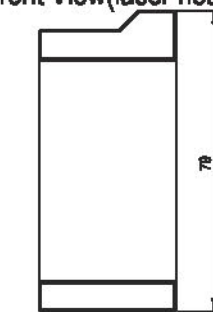


Top View



Front View(laser head)

Back View(laser head)



Top View(laser head)



Unit: mm