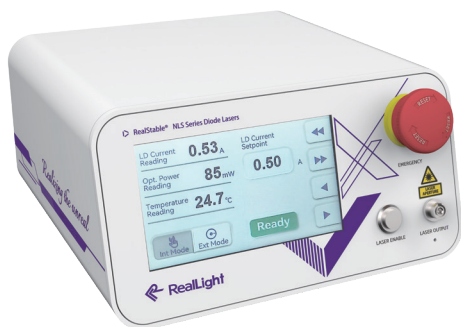




AWS-A Series Single Mode Diode Laser System

Key Features

- ◆ Built-in TEC, power stability $\pm 2\%$
- ◆ Contains PC control, emergency stop button functions
- ◆ High reliability
- ◆ Excellent beam quality
- ◆ Various wavelengths

Applications

Fluorescence detection
Laser processing
Scientific research

Technical Specifications

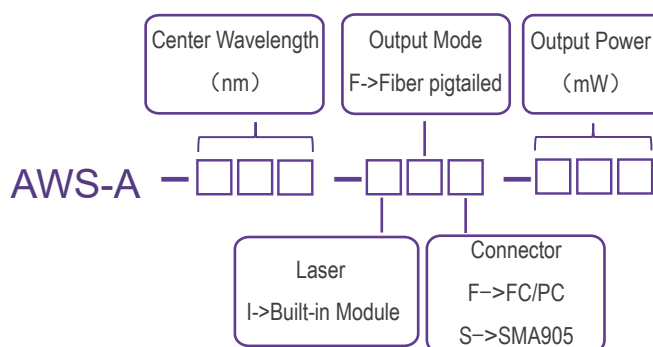
Optical Parameters					
Center Wavelength (nm)	405	450	520	638	650
Output Power (mW)	50	50	50	60	60
Wavelength Tolerance (nm)	±10				
Linewidth (nm)	<3				
Power Stability (typ., @4h)	±2%(P-P)				
System Parameters					
Adjustbility % Full Power	0~100%				
Warm up Time (min)	15				
Modulation Input	Analog signal 0~5V				
Control Interface	USB , SMA				
Connector	SMA905 , FC/PC				
Output Fiber	4/6/9 μm , 0.22 NA				
Supply Voltage	+12VDC				
Power Consumption	<7 W typ.				
Storage Humidity	10~60				
Storage Temperature (°C)	0~70% RH				
Operating Temperature (°C)	10~35				
Weight (kg)	1.2				
Dimensions (mm)	180×102×180.2				

1. Higher power options available upon request.
2. All the data in the above table are the typical values obtained from the tests at room temperature of 25°C , and the final data is subject to the final test report.

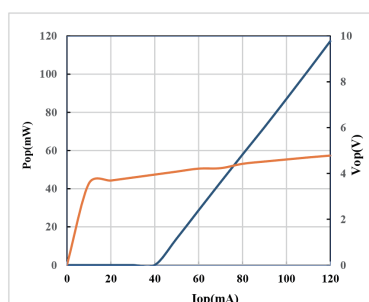
Ordering Information

Wavelength (nm)	Output Power (mW)	Part Number	Connector
405	50	AWS-A-405-IF(F)-50	FC/PC
	50	AWS-A-405-IF(S)-50	SMA905
450	50	AWS-A-450-IF(F)-50	FC/PC
	50	AWS-A-450-IF(S)-50	SMA905
520	50	AWS-A-520-IF(F)-50	FC/PC
	50	AWS-A-520-IF(S)-50	SMA905
638	60	AWS-A-638-IF(F)-60	FC/PC
	60	AWS-A-638-IF(S)-60	SMA905
650	60	AWS-A-650-IF(F)-60	FC/PC
	60	AWS-A-650-IF(S)-60	SMA905

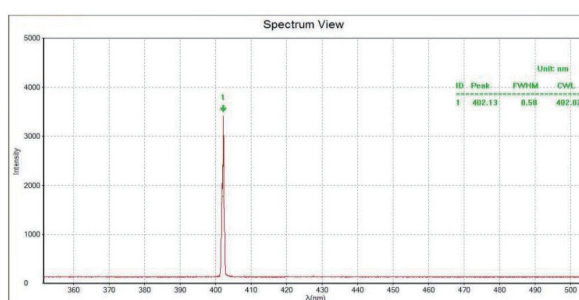
Part Numbering Schema



Product Characteristics Diagrams



405nm P-I-V Graph



405nm Spectrum

Mechanical Drawings (mm)

