

Direct Diode Laser System

DS3-11312-101-K635F09FN-0.40W DS3-11312-xxx-LD No.



Features:

- ◆ Up to 300W output power
- ◆ Air cooling
- ◆ Fiber delivery
- ◆ Red aiming beam (optional)
- ◆ Temperature control
- ◆ Compact design

BWT Beijing provides a complete, turn-key diode laser system suitable for material processing, medical therapeutics and pumping solid-state laser media. Delivering up to 50W of diode laser into a 100~400um core fiber, the system makes it easy to develop new applications.

With control over the operating temperature of the diode laser, as well as current and pulse width, the system offers flexibility and an easy to use interface. The system can be controlled either by the front panel user interface, or by a computer-controlled RS-232 interface.

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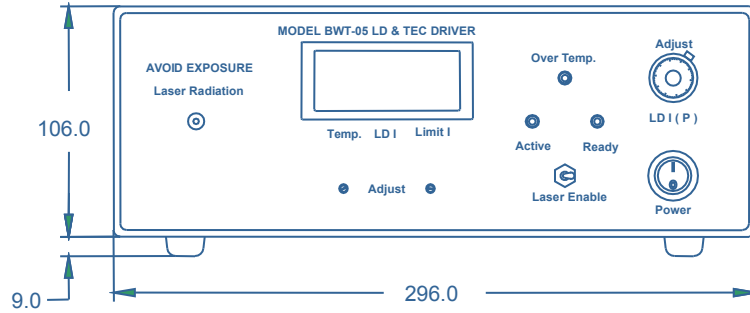
Specifications		DS3-11312-101-K635F09FN-0.40W	DS3-11312-xxx-LD No.	
Optical Data	CW-Output Power	400mW	2W,4W, 8W,10W,15W	20W, 30W, 50W
	Center Wavelength	635nm	808nm, 915nm, 980nm	
	Tolerance of λ	$\pm 10\text{nm}$		
	Spectral Width (FWHM)	<3nm		
	Power Stability	$\pm 5\%$		
Fiber Data	Fiber Core Diameter	105, 200 μm	105,200,300,400 μm	105,200,300,400 μm
	Numerical Aperture	0.22		
	Fiber Connector	SMA-905		
LD Controller Data	Control Range	15~30 $^{\circ}\text{C}$		
	Accuracy	$\pm 1^{\circ}\text{C}$		
	Alarm Setting	15~30 $^{\circ}\text{C}$		
	Operation Mode	CW/QCW		
	Operation Current	<1A	<10A	<15A
Operation Requirements	Operation Temperature	0~40 $^{\circ}\text{C}$		
	Cooling Requirement	Internal fan. At least 10 cm clearance, both sides		
	Operation Humidity	5-80%		
	Storage Temperature	-20-55 $^{\circ}\text{C}$		
Power Supply Requirements	Input Power	220 V AC, 50 ~ 60 Hz or AC 90~260 V, 50 ~ 60 Hz		
	Power Loss	<30W	<100W	<500W
Others	Dimensions (L×W×H)	296×254×115mm	296×254×115mm	420×337×174mm
	Weight	<10Kg	<10Kg	<18Kg

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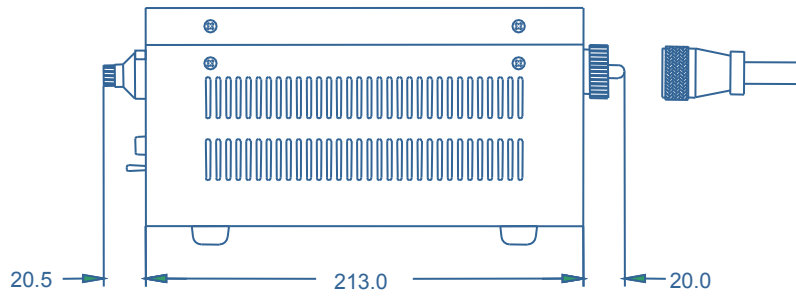
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Package Dimensions (mm)

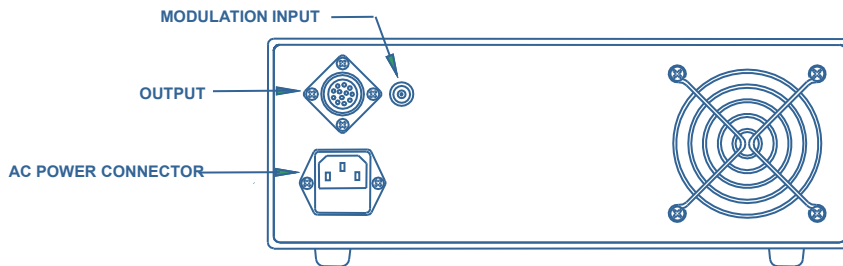
FRONT VIEW



SIDE VIEW



REAR VIEW



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