
	<small>TITLE</small> PS: BrightLase Ultra-100, 1920nm, 12W, 400um Fiber Coupled Diode Module		<small>PAGE</small> 1 of 3
	<small>PRODUCT NUMBER</small> 6219-0002	<small>REVISION</small> A	<small>DATE:</small> 06/01/2018
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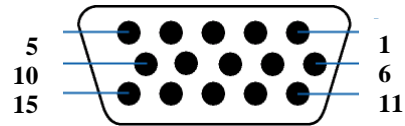
Parameters	Value	Test at QPC	Test conditions
Optical			
Laser Output power	12W	√	CW, ex-fiber ,20°C base plate
Center wavelength	1920nm	√	At 12W, 20°C base plate
Center wavelength tolerance	+/-20nm	√	At 12W, 20°C base plate
Bandwidth (FWHM)	< 20 nm	√	At 12W, 20°C base plate
Temperature tuning coefficient	~0.5nm/°C		
Fiber			
Fiber core diameter	400μm		Nominal
Fiber N.A.	0.20		Nominal
Fiber connector	SMA		SMA adaptor built on module
Electrical			
Max Operating Current	< 55 A	√	At 12W, 20°C base plate
Max Operating Voltage (at module lugs)	< 2.5 V	√	At 12W, 20°C base plate
Module housing	grounded	√	
Serial Connector	15 pin	√	pins connected as shown in following table
Thermal			
Operating Temperature	20 to 30 °C		
Storage Temperature	-20 to 60 °C		
Thermistor in base plate	NTC Thermistor	√	10KΩ at 25 +/-1 °C
Module Dimensions (nominal)			
Length	122.0 mm		See Mechanical Diagram
Width	100.0 mm		See Mechanical Diagram
Height	34.4 mm		See Mechanical Diagram

Notes:

- 1) Operating temperature is 20°C measured via built-in thermistor for the specified performance.


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Pin assignment for 15-pin D-sub connector of Ultra-100™ series



- Pin numbering on the female connector:

Pin number	Assignment
1	Thermistor
2	Thermistor
3	Not used
4	Not used
5	Not used
6	Not used
7	Not used
8	Not used
9	Not used
10	Not used
11	Not used
12	Not used
13	Not used
14	Not used
15	Not used

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Mechanical: Ultra-100 Module dimensions

