



Technical Specifications

Model No. BG-DFB-M1-1550.12-100KHz-10dBm-09PM-1m-FC/APC

Product Name DFB Laser

Technical File BG.08.-000

Version V1.0

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1 Specification

1.1 Optical Specification

Parameter	Min.	Typ.	Max.	Unit
Wavelength	-	1550.12	-	nm
Output Power	-	16	16	dBm
Linewidth	-	80	100	kHz
Relative Intensity Noise	-155	-	-	dB/Hz
Return Loss	40	-	-	dB
Control Mode	ACC			

1.2 Working Environment

Parameter	Min.	Typ.	Max.	Unit	Remarks
Working Temperature Range	-10	-	+50	°C	
Storage Temperature Range	-40	-	+85	°C	
Relative Humidity	5	-	95	%	
Minimum Bend Radius	30			mm	

1.3 Electrical Specifications

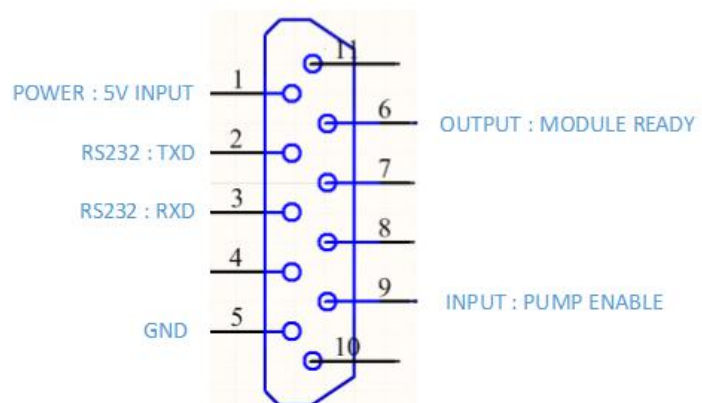
1.3.1 Power Specifications

Parameter	Min.	Typ.	Max.	Unit	Remarks
Power Supply	+4.75	+5	+5.25	V	
Power Consumption	-	5	10	W	

1.3.2 Connector Type

Connector: RS232 DB-9 female connector

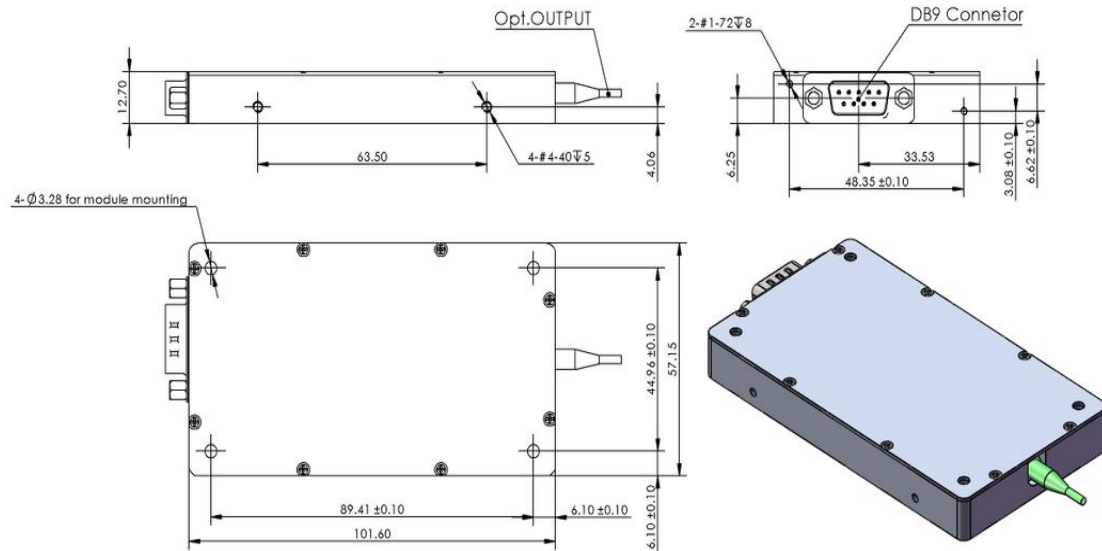
DB9 Female Connector			
1	NC	6	VCC
2	TX	7	VCC
3	RX	8	GND
4	NC	9	GND
5	GND		



2 Mechanical Structure and Pigtail

2.1 Mechanical Structure

Dimensions in mm: 145x75x20mm



2.2 Pigtail

Item	Specifications
Fiber Type	PM 1550 Panda fiber, 900m tube
Pigtail Length	1000+/-10mm
Fiber Colour	Red
Fiber Connector	FC/APC

3 Label

3.1 Warning Label

Warning Label	Labeling	Label Type and Location
Laser Safety Warning Label		
Anti-Static Warning Label		

4 Parts and Accessories

Item	Quantity
Module	1 PC
User Manual	1 PC
Test Report	1 PC
Serial Interface Cable	1 PC
Control Software	1 PC