

Benchtop PM EDFA

GA8111 Series



Features

- Single channel, DWDM, C-band is optional
- High output power: up to 200mW
- Low Noise Figure: typical 5.0dB
 - APC, ACC and AGC is optional
- High precise ATC circuit
- LCD display
- RS-232 port can be controlled by other equipment easily
- Double MPU control
- Benchtop, module and 1U rack is available

Application

1. Lab and Manufacture Testing
2. Scientific Research and Teaching
3. Booster amplifier

Description

The benchtop fiber optic amplifier is designed for lab and manufacture testing. The key components are high reliability PUMP laser and excellent circuit design to ensure high precision spectrum performance. The unique ATC and APC circuit ensures the stability of output power.

The high precision double MPU enable the operation and long-distance control easily and intelligently.

Open RS232 port ensures connectivity to any other system.

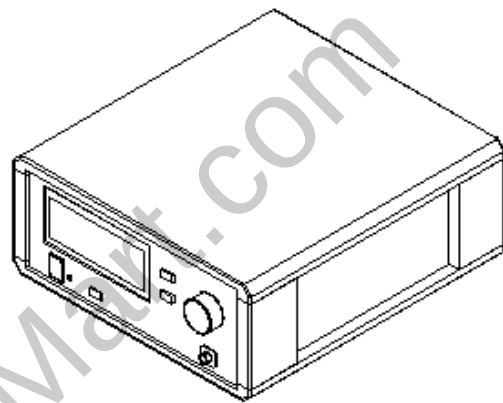
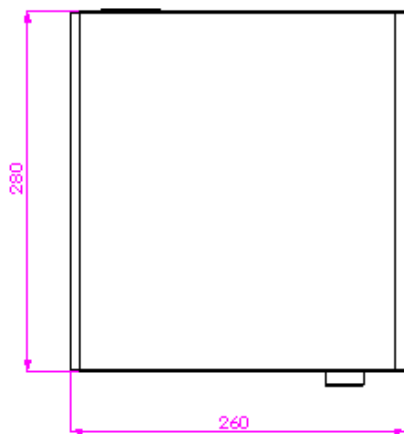
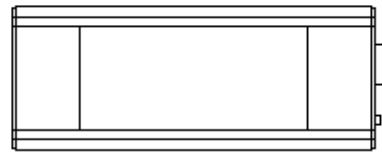
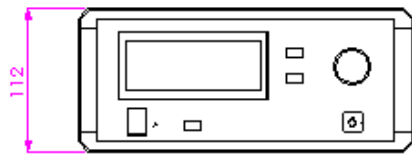
Optical Characteristics

Parameter	Symbol	Mix.	Typ	Max.	Unit
Wavelength *	λ_c	1530	1550	1565	nm
Output Power *	Po	-----	-----	+23	dBm
Input Power *	Pi	-3	-----	+10	dBm
Polarization extinction ratio	PER	-----	18	-----	dB
Noise Figure	NF	-----	5.0	5.5	dB
Output Power Stability	ΔTI	-----	± 0.05	± 0.1	dB
Return Loss	RL	45	-----	-----	dB
Input/output Isolation	ISO	30	-----	-----	dB
Input Pump Leak	PLKin	-30	-----	-----	dB
Output Pump Leak	PLKout	-40	-----	-----	dB
PDG	PDG	-----	-----	0.2	dB
PMD	PMD	-----	-----	0.5	ps
Power Supply Voltage	V	174	-----	260	VAC
Power Consumption	Pc	-----	-----	15	W
Operation Temperature	Tw	0	-----	40	°C
Storage Temperature	Ts	-40	-----	80	°C
Optical fiber	PM FC/APC				

*Optional

Mechanical Dimension

GA8111: 280*260*112(mm)



Order Information

G A								
Category	Structure	Configure	Input power	Output power ^{注1}	Wavelength	Voltage	Interface	
GA: Fiber Amplifier	81:1 Benchtop	1: Normal	1:- 3~10dBm 9:other	10:10dBm 23:23dBm	1550: 1550nm 	1:110VAC 2:220VAC	1.SC/UPC 2.SC/APC 3.FC/UPC 4.FC/APC 5.LC/UPC 6.LC/APC	