

YTTERBIUM DOPED FIBER AMPLIFIER

Model Number: **YDFA-CW-PMHP-1064-RS-33-33-FCA**

Product Code: **1511**

Micro Processor Controlled

Ytterbium Doped Fiber Amplifier (YDFA)



Specifications:

Parameters	Specifications
Wavelength Range	1064 nm typical
Polarization Maintaining Property	Provided. Optical signal: slow axis light is amplified; fast axis light is blocked
Gain Flattening Filter	Not included
Output Power	33 dBm at 1064 nm, tested with 1064 nm, 0 dBm input
Gain	33 dB, tested with 1064 nm, 0 dBm input
Output Isolator	Not included
Polarization Extinction Ratio	≥ 17 dB
Optical Input Fiber	900um loose tube, PM-FC/APC, blue, 1 meter, PM980
Optical Output Fiber	900um loose tube, PM-FC/APC, red, 1 meter, PM980
Input Power Monitoring Range	-10 to +10 dBm
Output Power Monitoring	+14 to +33 dBm
Control and Communication Interface	RS-232, RS232 Voltage Level
Dimension	150 x 146 x 20.5 mm
Power Input	3 of +2.5 VDC, 4 A current capacity,
Electrical Interface Connector	PN: 173-E25-113R001 Male 25-PIN
Operational Case Temperature Range	+10 to +40 °C
Mode of Operation	ACC (constant pump current control)



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Proprietary Information of Nuphoton Technologies

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Electrical connector:

Part number: 173-E25-113R001

Pin No.	Description	Pin No.	Description
1	+3.3V PWR IN	14	GROUND
2	+2.5V PWR IN1	15	GROUND
3	+2.5V PWR IN1	16	GROUND
4	+2.5V PWR IN2	17	GROUND
5	+2.5V PWR IN2	18	GROUND
6	+2.5V PWR IN3	19	GROUND
7	+2.5V PWR IN3	20	GROUND
8	+2.5V PWR IN4	21	GROUND
9	+2.5V PWR IN4	22	GROUND
10	Laser Enable/ Disable	23	CASE TEMPERATURE ALARM
11	COMMON ALARM	24	GROUND
12	RS232 TX	25	GROUND
13	RS232 RX		



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