

Model Number: **YDFA-NANO-PM-RS-1064-23-33-FCA**

Product Code: **1102**

Micro Processor Controlled



Specifications:

Parameters	Specifications
Wavelength Range	1064 nm typical, +/- 1 nm
Input Power	-10 dBm, average
Output Power	+23 dBm, average, tested with 1064 nm and -10 dBm input average power
Gain	33 dB, tested with 1064 nm, -10 dBm input average power
Optical Input Fiber	900um loose tube, FC/APC, blue, 1 meter, PM980
Optical Output Fiber	900um loose tube, FC/APC, red, 1 meter, PM980
PER	20 dB minimum
Input Power Monitoring	None
Output Power Monitoring	None
Output ns pulse peak power handling	Up to 2 kW (\leq 4 ns pulse width)
Control and Communication Interface	RS-232, RS-232 voltage level
Dimension	240 x 210 x 51 mm
Power Input	+5 VDC +/- 5%
Electrical Interface Connector	PN: MD25M2000/AA, 25-PIN
Operational Case Temperature Range	0 to +65 °C
Mode of Operation	ACC (constant pump current control)



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Proprietary Information of Nuphoton Technologies

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YTTERBIUM DOPED FIBER AMPLIFIER

Electrical connector:

Part number: MD25M2000/AA

Pin No.	Description	Pin No.	Description
1	+5Vin	14	GROUND
2	GROUND	15	TRIGGER INPUT
3	FAN CONTROL	16	POWER ON
4	SERIAL DATA TRANSMIT	17	LASER ON
5	SERIAL DATA RECEIVE	18	ALARM SIGNAL
6	CUST.ENABLE SIGNAL (ACTIVE LOW)	19	+5Vin
7	INPUT POWER ALARM	20	GROUND
8	OUTPUT POWER ALARM	21	+5Vin
9	PUMP TEMP ALARM	22	GROUND
10	PUMP BIAS ALARM	23	DOWNLOAD
11	CASE TEMP ALARM	24	RESET
12	+5Vin	25	GROUND
13	GROUND		



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