

# YTTERBIUM DOPED FIBER AMPLIFIER

Model Number: **YDFA-CW-1064-(-10)-30-FCA**

Product Code: **1102**

**Micro Processor Controlled**



## Specifications:

Parameters	Specifications
Wavelength Range	1064 nm typical, +/- 1 nm
Mid-Stage Filter Bandwidth	2 nm typical, centered at 1064 nm
Output Power	-10 dBm at 1064 nm, tested with 1064 nm and -40 dBm input
Gain	30 dB, tested with 1064 nm, -40 dBm input
Optical Input Fiber, two	900um loose tube, FC/APC, blue, 1 meter, HI-1060
Optical Output Fiber, two	900um loose tube, FC/APC, red, 1 meter, HI-1060
Input Power Monitoring	None
Output Power Monitoring	None
Control and Communication Interface	RS-232, RS-232 voltage level
Dimension	180 x 125 x 35 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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## 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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