

# YTTERBIUM DOPED FIBER AMPLIFIER

Model Number: **YDFA-CW-PM-1064-TT-9W-40-FCA**

Product Code: **1816**

**Micro Processor Controlled**



## Specifications:

Parameters	Specifications
Wavelength Range	1064 nm
Polarization Maintaining Property	Provided. Optical signal: slow axis light is amplified; fast axis light is blocked
Gain Flattening Filter	Not included
Output Power	8 W minimum, 9 W typical at 1064 nm, tested with 1064 nm, 0 dBm input
Gain	Up to 39.6 dB, tested with 1064 nm, 0 dBm input
Optical Input Fiber, Two channels	900um loose tube, PM-FC/APC mating connector, PM980
Optical Output Fiber, Two channels	900um loose tube, PM collimator, 1 meter, single-clad PM 10/125 (NA=0.07)
Polarization Extinction Ratio	≥ 18 dB
Input Power Monitoring	Included
Output Power Monitoring	Included
Input Optical Isolator	Included
Output Optical Isolator	Included
Control and Communication Interface	RS-232, RS-232 voltage level
Dimension	630 x 420 x 90 mm
Power Input	+110 VAC
Operational Case Temperature Range	+5 to +45°C
Mode of Operation	ACC (constant pump current control)



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**Electrical connector:**

Part number: Molex- 5018763040

Pin No.	Description	Pin No.	Description
1	GROUND	2	UART-RX
3	UART-TX	4	+5V Vin
5	GROUND	6	+5V Vin
7	GROUND	8	RX1
9	RESET- MOXA	10	TX1
11	CONTROL-MOXA	12	DGND
13	RS232TX	14	INTERLOCK-
15	RS232RX	16	INTERLOCK+
17	GROUND	18	GROUND
19	GROUND	20	GROUND
21	30WMMB2-VLDD-ADJ	22	10.5V1-ENABLE
23	30WMMB1-VLDD-ADJ	24	10.5V2-ENABLE
25	PRE/9WMM-VLDD-ADJ	26	4.3V-EN
27	4.3V - ITRIM	28	FAN_SUPPLY-
29	10.5V1- ITRIM	30	10.5V2-ITRIM



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