

# YTTERBIUM DOPED FIBER AMPLIFIER

Model Number: **YDFA-CW-PM-1030-RS-27-20-FCA**

Product Code: **1317B**

**Micro Processor Controlled YDFA**



## Specifications:

Parameters	Specifications
Wavelength Range	1030 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	27 dBm at 1030 nm, tested with 1030 nm, +7 dBm input
Gain	20 dB, tested with 1030 nm, +7 dBm input
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	None
Output Power Monitoring	None
Input Optical Isolator	Included
Output Optical Isolator	Not included
Control and Communication Interface	RS-232, UART 5V / 0 V voltage level
Dimension	125 x 115 x 15 mm
Power Input	+5 VDC +/- 5%
Electrical Interface Connector	PN: ZLTMM-115-73-G-D-391, Male 30-PIN
Operational Case Temperature Range	+10 to +40 °C
Mode of Operation	ACC (constant pump current control)

**Electrical connector:**

Part number: ZLTMM-115-73-G-D-391

Pin No.	Description	Pin No.	Description
1	+5 V Vin	2	+5 V Vin
3	-	4	-
5	GROUND	6	GROUND
7	SERIAL DATA RECEIVE	8	SERIAL DATA TRANSMIT
9	GROUND	10	GROUND
11	-	12	RESET SIGNAL
13	EDFA DISABLE	14	OUTPUT MUTE
15	CASE TEMPERATURE ALARM	16	COMMON ALARM
17	-	18	LASER CURRENT ALARM
19	INPUT POWER ALARM	20	OUTPUT POWER ALARM
21	INPUT GND	22	OUTPUT MPD GROUND
23	INPUT POWER MONITOR	24	OUTPUT POWER MONITOR
25	GROUND	26	GROUND
27	-	28	-
29	+5 V Vin	30	+5 V Vin

