

YTTERBIUM DOPED FIBER AMPLIFIER

Model Number: **YDFA-CW-1064-PM-10-20-FCA**

Product Code: **1305**

Micro Processor Controlled



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	10 dBm at 1064 nm, tested with 1064 nm, -10 dBm input
Gain	20 dB, tested with 1064 nm, -10 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	Included
Control and Communication Interface	RS-232, RS-232 voltage level
Dimension	125 x 115 x 17 mm
Power Input	+5 VDC +/- 5%
Electrical Interface Connector	PN: 5102159-6
Operational Case Temperature Range	0 to +65 °C
Mode of Operation	ACC (constant pump current control)

Electrical connector:

Part number: 5102159-6

Pin No.	Description	Pin No.	Description
1	+5 V Vin	14	GROUND
2	+5 V Vin	15	GROUND
3	+5 V Vin	16	GROUND
4	+5 V Vin	17	GROUND
5	OUTPUT POWER MONITOR	18	RS232 TRANSMIT
6	INPUT POWER MONITOR	19	LASER TEMP ALARM
7	CASE TEMP ALARM	20	LASER CURRENT MONITOR
8	LASER CURRENT ALARM	21	AMPLIFIER ENABLE/DISABLE
9	SERIAL DATA LINE	22	RS232 RECEIVE
10	SERIAL CLOCK	23	VOLTAGE REFERENCE OUTPUT
11	ANALOG CONTROL INPUT	24	+5 V Vin
12	+5 V Vin	25	GROUND
13	GROUND	26	GROUND

