

Multi-channels Erbium-Doped Optical Amplifier

➤ Product Description

CSRayzer's multi-channels EDFA can be used in the fields of optic fiber communication and optic fiber sensing. EDFA uses 980nm or 1480nm pump laser to provide energy. It can provide EDFA products of C wave band, L wave band and C+L wave band, and its interior uses AGC、ACC or APC as the control system. This product supports cooling pump and un-cooling pump, thus it can rationally match structure size, power dissipation and property to meet different needs of customers. Multi-channel EDFA uses DC+5V/GND input power and flexible form of man-machine interface which facilitates setting up the internal parameters of EDFA through RS232 serial port. Besides, it can realize the parameters real-time monitoring in the module and line remote management and control.

➤ Product Specification

Parameter	Unit	Min	Type	Max
Wavelength	nm	1528		1563
Channels Number		1		88
Gain	dB	22	25	28
Input power	dBm	-35		-5
Output power	dBm		17	20
Gain Flatness	dB		1	1.5
Noise Figure	dB		5.5	6
Operation temperature	°C	-5		50
Storage temperature	°C	-40		85
Supply voltage	V	4.75	5	5.25
Power consumption	W			20
Pigtail Length	cm	100±2		
Pigtail type		LC/UPC		

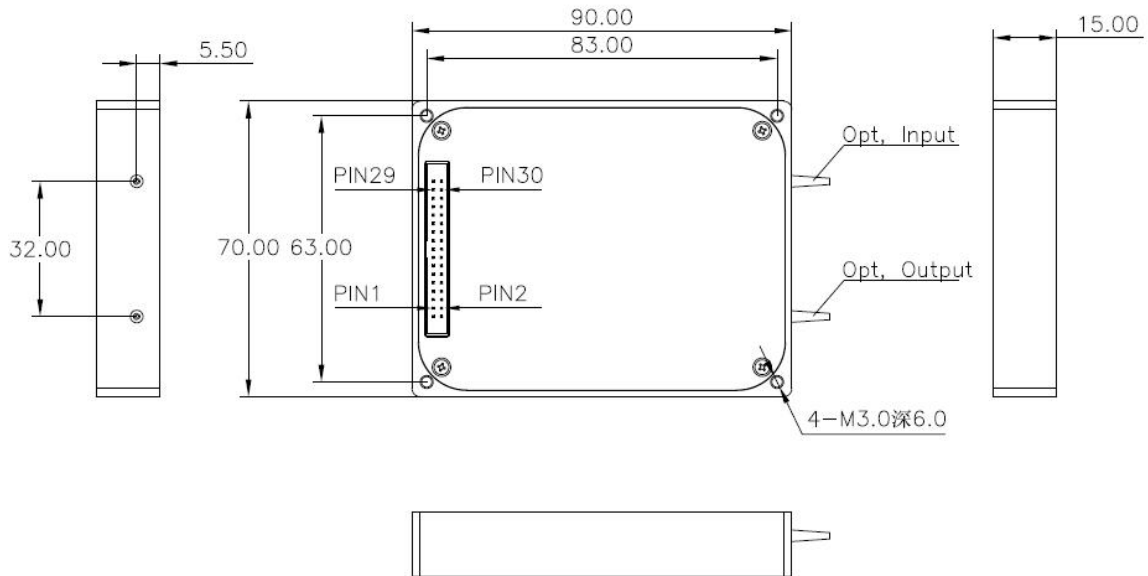
◆ Product Feature

- 1) Up to 20dBm output power
- 2) AGC/APC/ACC operation mode
- 3) Low noise figure and power consumption
- 4) High stability and reliability
- 5) Customizable

◆ Main Application

- 1) DWDM communication system
- 2) Roadm system
- 3) Fiber sensing transmission system
- 4) College and research institute

➤ Mechanical Size



➤ Order Information

