

EDFA Module



Applications

- Analog and digital CATV system
- Optical communication systems
- LANs and WANs

Features

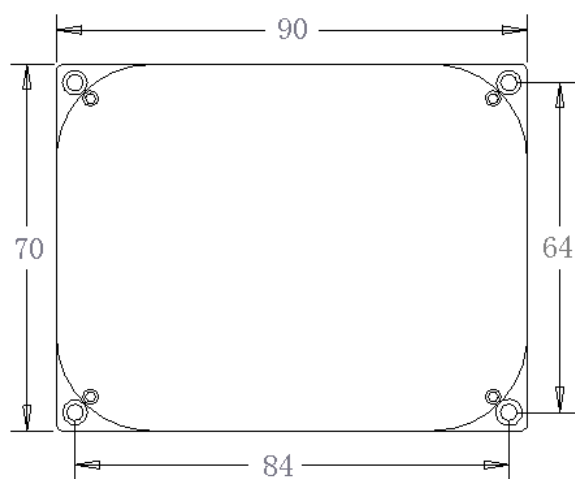
- Mini size
- High output and high gain
- Low noise figure
- Low power consumption

Specifications

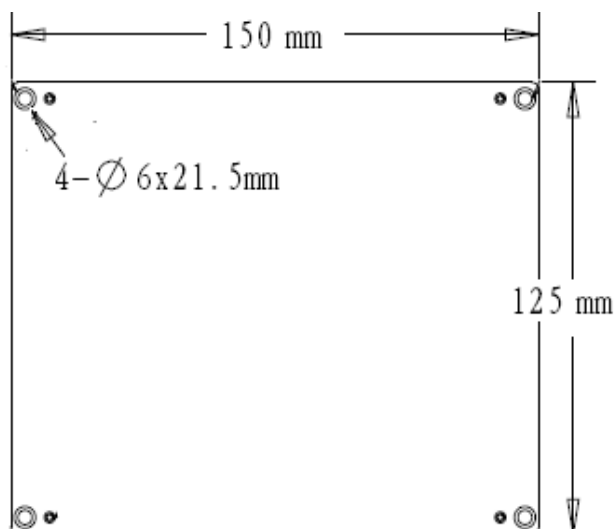
Parameter	Min.	Typ.	Max.	Unit	Remark
Operating wavelength	1530	1550	1565	nm	
Optical input power	-3	0	10	dBm	
Optical output power	13		18	dBm	
Noise figure		5		dB	0dBm input
PDG			0.5	dB	
Pump remnant to output			-30	dBm	
Pump remnant to input			-30	dBm	
Return loss	40			dB	EDFA off
Power supply	4.75	5	5.25	V(AC)	
Current		1	1.5	A	
Operating temperature	-5		55	°C	
storage temperature	-20		70	°C	
Dimension L×W×H)	90×70×18 or 150×125×30			mm	

Ordering Information

EDFA	Type	Package	Application	Rating output power	Pigtail fiber	connector
	DC=DWDM C Band DL=DWD L Band CA=CATV	U=1U rack M=Module	B=Power amplifier L=inline amplifier P=Pre-amplifier	10=10dB 13=13dB 20=20dB etc	0=250um 1=900um 2=2mm 3=3mm	FC/UPC FC/APC SC/APC etc

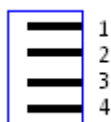


Installation of Module



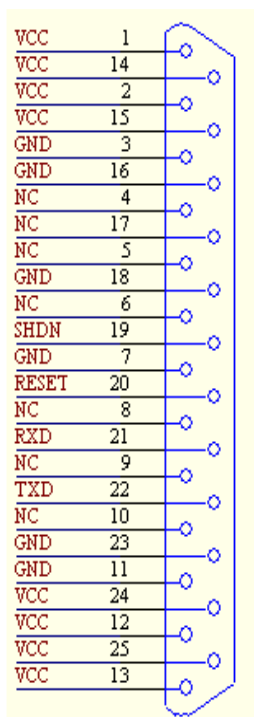
Installation of Module

Definition of Connector



Pin	Description	Pin	Description
1	VCC 5 power($\pm 10\%$)	2	Data -
3	Data +	4	Ground

USB Connector



Pin	Description	Pin	Description
1	5 power($\pm 10\%$)	14	5 power($\pm 10\%$)
2	5 power($\pm 10\%$)	15	5 power($\pm 10\%$)
3	Ground	16	Ground
4	NC	17	NC
5	NC	18	Ground
6	NC	19	Pump Laser Module On/Off 1: OFF 0: ON
7	Ground	20	Reset Input 1: Enable 0: Disable
8	NC	21	RS-232 Input (TTL)
9	NC	22	RS-232 Output (TTL)
10	NC	23	Ground
11	Ground	24	5 power($\pm 10\%$)
12	5 power($\pm 10\%$)	25	5 power($\pm 10\%$)
13	5 power($\pm 10\%$)		

DB25 Connector