

DWDM EDFA Multi-channel EDFA Optical Amplifier



Product Overview

This product is a multi-channel erbium-doped fiber amplifier with wide input range, gain-flattened, and stable output. The core components are high performance pump lasers, wide response range PD devices, and high performance gain flattened filters. Using unique APC (Automatic Power Control) circuit and automatic temperature control (ATC) circuit, the product features high stability output, high gain flatness, and high reliability. The professional system design enables optimization of flatness and noise.

Product Features

- Low noise, high flatness design
- Wide input range
- Gain adjustable
- Plug-in card design, easy expansion
- In strict accordance with the design requirements of Bellcore gr-1312-core

Performance Index

OBA Optical Booster Amplifier

Parameters	Unit	Symbol	Min	Typ	Max
Operation Mode	---	---	---	AGC	---
Operating Wavelength (1)	nm	λ_c	1528	---	1564
Saturate Output Power	dBm	Po	---	---	22
Input Power	dBm	Pi	-23	---	+12
Gain	dB	G	8	---	24
Noise Figure	dB	NF	---	4.5	6
Power/Gain Stability	dB	ΔP_o	---	± 0.05	± 0.2
Input Isolation	dB	ISO _i	30	---	---
Output Isolation	dB	ISO _o	30	---	---
Flatness	dB	GF	---	1	1.5
Return loss	dB	RL	45	---	---
PDG	dB	PDG	---	---	0.3
PMD	ps	PMD	---	---	0.3
Operation Temperature	°C	---	-5	---	55
Storage Temperature	°C	---	-40	---	85
Consumption	W	P	---	---	10
Optical fiber interface	---	---	LC-UPC/APC ---		

Guilin Tryin Technology Co., Ltd

Room C306, Innovation Building, Information Industry Park, Chaoyang Road, Guilin, China

Tel: 0773-3362165 Mobile:0086 18178339418 Fax: 0773-5863101 Email: jerlinchiu@tryincn.com

OPA/OLA Optical Pre/Line Amplifier

Parameters	Unit	Symbol	Min	Typ	Max
Operation Mode	---	---	---	AGC	---
Operating Wavelength(1)	nm	λ_c	1528	---	1564
Saturate Output Power	dBm	Po	---	---	22
Input Power(2)	dBm	Pi	-30	---	+5
Gain	dB	G	15	---	33
Noise Figure	dB	NF	---	4.5	6
Power/Gain Stability	dB	ΔP_o	---	± 0.05	± 0.2
Input Isolation	dB	ISOi	30	-----	---
Output Isolation	dB	ISOo	30	-----	---
Flatness	dB	GF	---	1	1.5
Return loss	dB	RL	45	---	---
PDG	dB	PDG	---	---	0.3
PMD	ps	PMD	---	---	0.3
Operation Temperature	°C	---	-5	---	55
Storage Temperature	°C	---	-40	---	85
Consumption	W	P	---	---	10
Optical fiber interface	---	---	LC-UPC/APC		