OTS3000-EDFA

Erbium Doped Fiber Amplifier

EDFA

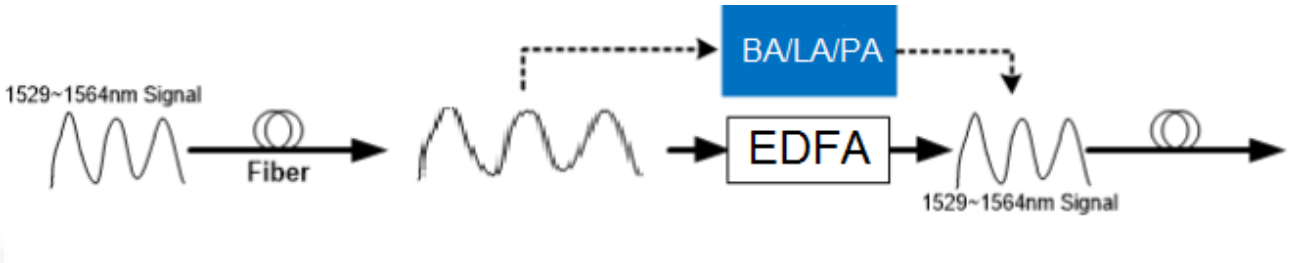
OTS3000-EDFA is a kind of function card in optical communication integrated platform. Different from OEO, it can directly amplify the signal of multi-wavelength from the C-band to effectively extend the transmission distance when the optical signal is not enough to meet the requirement of the optical transmission distance. EDFA can work with other function cards (such as DWDM,OADM,DCM and OTU） together to construct the complete optical network transmission system.

Features

- Modularized design, Compact size, Support hot Plug.
- High gain, Low noise, Low gain flatness.
- Adjustable gain.
- Gain can be adjustable. Working mode options: APC, AGC, ACC etc.

Applications

- Fiber backbone network long-distance transmission amplification.
- Optical signal power amplification before optical signal split flow.
- Optical signal power amplification before the optical equipment receive it.



DWDM wavelength division system amplifying applications

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Specifications

Parameters	Unit	OTS3000-BA	OTS3000-LA	OTS3000-PA
Dimension	mm	160×200×21（WxDxH）		
Maximal Power Consumption	W	15		
Input Power	dBm	-15 ~ 8	-30 ~ -5	-30 ~ -5
Gain	dB	15	24	18
Saturated Output Power	dBm	16	13	13
Wavelength Range	nm	1529 ~ 1564		
Flatness	dB	≤ 1.5		
Noise Figure	dB	≤ 5.0		
Input/ Output Pump Leakage	dBm	≤ -40		
Return Loss	dB	≤ -45		
Input/Output Isolation	dB	≥ 30		
Polarization Dependent Gain	dB	≤ 0.3		
Polarization Mode Dispersion	ps	≤ 0.5		
Working Mode		AGC/APC/ACC		
Connector Type		LC/PC		
Operating Temperature	℃	-5 ~ +55		
Storage Temperature	℃	-20 ~ +70		
Relative Humidity		5% ~ 95% (non-condensing)		

Ordering Information: OTS3000-EDFA-A-B-C-D-E

A：Amplifier Type	B：Saturated Output Power	C：Max Gain	D：Input Power Range	E：Connector Type
BA: Power amplifier **LA:** Line amplifier **PA:** Pre-amplifier **X:** Others	**16:** Max +16dBm **13:** Max+13dBm **X:** Others	**G24:** Max 24dB **G18:** Max 18dB **G15:** Max 15dB **X:** Others	**A：** -15 dBm ~ +8 dBm **B：** -30 dBm ~ -5 dBm **X:** Others	**LP:** LC/PC **X:** Others