

# EDFA

## Features:

- Low Noise Figure: Typical 5.0
- High Flatness: Typical 1dB
- Cover Whole C-Band: Carrier 40 or 80 chs
- Redundancy hot swap power module: 110/220VAC and 48VDC can plug Mix
- Perfect Network Interface: Ethernet, RS-485 and RS-232 port
- Support Telnet Interface and SNMP network management
- Gain can be adjustable by network and manual
- High precise AGC and ATC circuit
- High saturation output power
- Flexible Mechanics and circuit structure(Module,1U rack and Gain Block)
- OEM is available
- Compatible with Telecordia GR1312-CORE

## Applications:

- Pre-Amplifier
- Online Amplifier
- Booster Amplifier
- DWDM Optical System

## Optical Characteristics

Parameter	Symbol	Min	Typ	Max	Unit
Wavelength	$\lambda_c$	1529	1550	1564	nm
Saturation output power <sup>(1)</sup>	P <sub>o</sub>			20	dBm
Input Power	BA	-10		+6	dBm
	On-line	-25		-10	dBm
	PA	-35		-25	dBm
Gain	G		20		dB
Flatness	F <sub>L</sub>		1.0	1.5	dB
Noise Figure	NF		5.0		dB
Output power stability	$\Delta P_o$		±0.05	±0.1	dB
Return Loss	RL			-45	dB
PDG	PDG			0.3	dB
PMD	PMD			0.5	ps

(1) : Optional

## Electric Characteristics

Parameter	Symbol	Min	Typ	Max	Unit
Voltage Supply *	Vps	85/170	110/220	132/264	VAC
Consumption **	P			18	W

10VAC, 220VAC and -48VDC is optional

\*\*Actual consumption depend on the output power and environment temperature

## Environmental Characteristics

Parameter	Symbol	Min	Typ	Max	Unit
Operating Temperature	Tw	-5		60	C°
Storage Temperature	Ts	-40		80	C°
Humidity		10		85	%

(3) : Non-condensing