

# EDFA Module

## Features:

- Low noise figure : Typical Noise Figure  $\leq 5.0$ dB
- High Flat: Typ 1dB
- Cover C-Band : Handle 40 or 80 waves.
- High stability and reliability : MTBF > 100000hours
- High Precise APC,AGC,ACC Circuit
- Intelligent temperature control system
- Compact Size:90×70×15mm
- OEM is available
- Compatible with Bellcore GR-1312-CORE standard

## Applications:

- Rack mount fiber amplify system
- Optical video transmission system
- Optical distribute system

## Optical Characteristics

Parameter	Symbol	Min	Typ	Max	Unit
wavelength	$\lambda_c$	1529	1550	1564	nm
Output power <sup>(1)</sup>	Po	0		22	dBm
Input power	Pi	-35		+5	dBm
Gain	G		20		dB
Noise Figure <sup>(2)</sup>	NF		5.0		dB
Gain Flat	GF		1.0	1.5	dB
Output power stability	$\Delta P_o$		$\pm 0.05$	$\pm 0.1$	dB
Return loss	RL			-45	dB
Polarization dependent gain	PDG			0.3	dB
Polarization mode dispersion	PMD			0.5	ps

(1) : 2 output ports is available

(2) : Test at 0dBm input



# EDFA Module

## Electric Characteristics

Parameter	Symbol	Min	Typ	Max	Unit
voltage	Vps	3.0/4.5	3.2/5.0	3.5/5.5	VDC
consumption *	P			10	W

\*consumption is up to 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