

Hybrid Raman /EDFA



Product

Hybrid Raman /EDFA is a dual-stage optical amplifier, which combines the advantages of Raman and EDFA. The OSNR is higher than EDFA, and the gain is higher than EDFA. The OSNR can be improved by 6~7dB; and the gain can be improved by 3~4dB.

Features

- Raman AGC can realize automatic gain control.
- Raman gain is higher than EDFA.
- Amplifier type: SSMF/G.652, L-type/G.655, T-type/G.655.
- Large dynamic range, high gain, and high output power. The gain can be improved by 3~4dB.

Applications

- Long-haul transmission, especially for 100Gb/s and above.
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Standard

- Telecom GR-1312-CORE
- R-HS

Specifications

Parameter	Unit	Min.	Typ.	Max.	Remarks
Optical Power		1528		1568	
Input Optical Power	dBm	-35		5	@
Small Signal Gain	dB			23	
Gain	dB	13		33	Maximum gain is 10dB
Noise Figure	dB	0.6		3.2	Typical value is 13dB, maximum value is 18dB; Wavelength is 1550nm, input power is -35dBm, output power is 5dBm.

T a	O d &	dB			1	F 20dB Add/d ,
					800	100 a Fa /Ra
	a	dB			0.5	
Ga F c a		dB			0.5	
S			220 130 20			W ad a a
			220 130 23			W ad a a
O a T a		℃	-10		55	
P C		W			50	

O d I a
HYFA - R-□- E-□-□-□-□-□-□

C c : FC SC,LC,MU/UPC,APC
F b : 1:1