

Hybrid Raman+EDFA optical amplifier series are designed for ultra-distance, high rate optical transmission system to improve the OSNR performance. The modules can amplify signals of C+ band directly. The OSNR can be improved about 5~6dB compared with traditional EDFA systems. Also, compared with separate Raman systems, hybrid amplifiers have lower cost and higher signal output power.

Features

- ◆ AGC control for Raman and EDFA
- ◆ Low noise figure, Rapid transient control
- ◆ Apply to different types of transmission fiber: SMF/G.652, Leaf/G.655 etc
- ◆ Large dynamic adjustable range of gain and gain tilt
- ◆ High reliability
- ◆ RoHS complaint



Application

- ◆ Long distance backbone network
- ◆ High rate optical transmission system

Compliance

- ◆ Telcordia GR-1312-CORE
- ◆ RoHS 6

Specifications

Parameters	Specifications			Unit
	Min.	Typ.	Max.	
Operating wavelength	1529		1567	nm
OSC wavelength ¹	1500	1510	1520	nm
Input power@ Raman pump off	-35		5	dBm
Raman On-Off Gain	5		12	dB
EDFA Gain	10		20	dB
Total saturated Output Power	20			dBm
Gain flatness			1.5	dB
Gain tilt ²	-3	0	1	dB
Control mode	AGC ³			--

¹ Can be customized

² Can be set by command

³ Automatic gain control

Noise Figure ⁴	0.6		5.5	dB
Reverse ASE leakage			- 20	dBm
Pump leakage			- 20	dBm
PDG			0.5	dB
PMD			05	ps
Return loss	40			dB
Operating ambient temperature	-5		50	°C
Storage temperature	-25		85	°C
Pump LD number		3		pcs
Dimension		220*130*30		mm
Electric interface		50pin		--
Connector type ⁵		LC/UPC		--
Operating voltage		5+/-5%		V
Power consumption			30	W

⁴ Only for reference

⁵ Can be customized

Order Information

For more information on this or other products and their availability, please contact Taclink sales person or Taclink directly at sales@taclink.com.

For More Information

Please contact with Taclink sales to obtain more information and product technical supports.

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