

Raman Optical Amplifier Series



Product Introduction

Raman optical amplifier series are specifically designed for long-distance transmission system. The modules can amplify the signals of C-band, L-band or C/L Band directly, and improve OSNR and other system performance greatly. Raman optical amplifier can be supplied as a module or a rack mount.

Features

- Low noise figure
- Low power consumption
- Excellent gain flatness
- AGC control
- Insensitive to fiber
- Class 1M compliant

Applications

- Long-distance backbone network
- SDH or DWDM optical transmission system

Standards

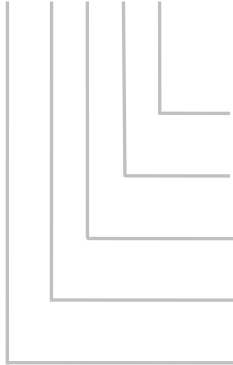
- Telcordia GR-1312-CORE
- RoHS

Specifications

Parameter	Unit	Specifications					
		C-band			C/L-band		
		Min.	T _p	Max.	Min.	T _p	Max.
Operating Wavelength	nm	1528		1565	1528		1604
Raman Gain	dB	10	15	22		17	
Gain Flatness	dB			1			1.5
Pump Power	mW	500		1200		1200	
Polarization Dependent Gain	dB	Max. 0.3					
Equivalent Noise Figure	dB	Max. 0					
Power Consumption	W	Max. 60					
Operation Temperature		-5 ~+50					
Storage Temperature		-25 ~+70					
Operation Voltage	V	5V(Module)			48V(Rack)		

Package	mm	220 130 30(Gain 20dB Module)	Refer to the order information
		220 130 30(Gain>20dB Module)	

Ordering Information

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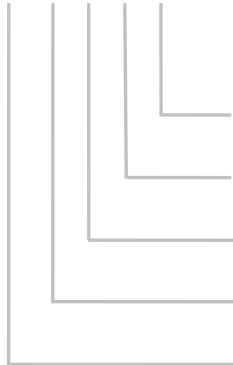
Connector FC SC,LC,MU/UPC,APC

Fiber length 1:1m customer specif

Fiber Dia. 09: 0.9mm customer specif

Typical Gain: 10:10dB customer specif

Operating Wavelength	1550.12:1550.12nm	C:C band DWDM
	C/L:C+L band DWDM	

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Package	42: 19 inch and 21 inch racks compatible, 2U height
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Power AA:-48V DC Dual Power Suppl

Connector FC SC,LC,MU/UPC,APC

Typical Gain: 10:10dB customer specific

Operating Wavelength	1550.12:1550.12nm	C:C band DWDM
		C/L:C+L band DWDM