

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

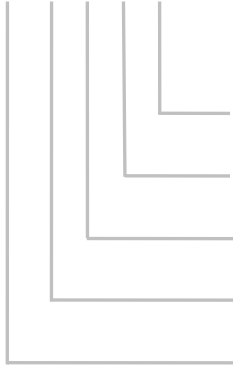
Parameter	Unit	Specifications					
		C-band			C/L-band		
		Min.	Typ	Max.	Min.	Typ	Max.
Operating Wavelength	nm	1528		1565	1528		1604
Raman Gain	dB	10	15	22		17	
Gain Flatness	dB			1			1.5
Pump Power	mw	500		1200		1200	
Polarization Dependent Gain	dB	Max.0.3					
Equivalent Noise Figure	dB	Max.0					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

Package	mm	220x130x30(Gain≤ 20dB Module)	Refer to the order information
		220x130x30(Gain>20dB Module)	

Ordering Information

Module

RPM - □ -□-□-□-□



Connector: FC SC,LC,MU/UPC,APC

Fiber length: 1:1m、customer specify

Fiber Dia.: 09: φ0.9mm、customer specify

Typical Gain: 10:10dB、customer specify

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

Rack Mount

RFA - □ -□-□-□-□



Package: 42: 19 inch and 21 inch racks compatible,2U height

Power: AA:-48V DC、Dual Power Supply

Connector: FC SC,LC,MU/UPC,APC

Typical Gain: 10:10dB、customer specify

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