

## 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

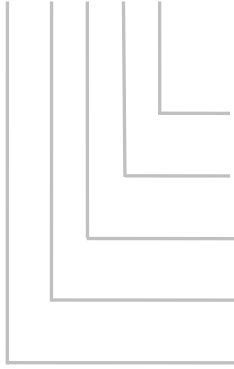
### Specifications

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		-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)	

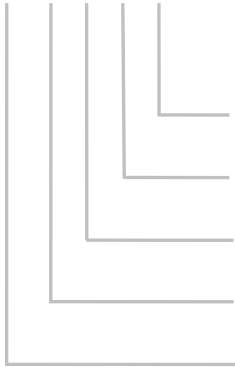
Ordering Information

RPM - □ - □ - □ - □ - □



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

RFA - □ - □ - □ - □ - □



Package 42: 19 inch and 21 inch racks comptabile,2U height  
 Power AA:-48V DC Dual Power Suppl  
 Connector FC SC,LC,MU/UPC,APC  
 Typical Gain: 10:10dB customer specif  
 Operating Wavelength 1550.12:1550.12nm C:C band DWDM  
 C/L:C+L band DWDM