

Raman Optical Amplifier Series



Raman optical amplifier series are specifically designed for long haul 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. The products are Telcordia GR-1312-CORE qualified, and RoHS compliant.

Features

- Wide operation wavelength range with excellent gain flatness
- Gain and output pump power adjustable
- Support Auto-Shutdown and Eye Safety Function
- Flexible monitoring interface
- Low power consumption

Applications

- Long haul or ultra long haul networks
- System up to 10Gb/s or 40Gb/s bit rate

Specifications

Parameter	Unit	Value					
		C-Band、L—Band			(C&L)-Band		
		Min.	Typ.	Max.	Min.	Typ.	Max.
Signal Wavelength	nm	1528~1568/1569~1604					
Raman Gain ¹	dB		12			10	
Gain Flatness	dB			1			1.5
Pump Optical Power	mW		600			700	
Polarization Dependent Gain	dB	Max.0.3					
Equivalent Noise Figure	dB	Max.0					
Operation Voltage	V	5±5%					
Power Consumption	W	Max.45			Max.60		
Operation Temperature	℃	-5~+55					
Storage Temperature	℃	-25~+70					
Package	mm	220×130×30					

Note: 1. G.652 fiber, fiber loss is less than 0.25dB/Km.

Ordering information

RPM

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Wavelength	Optical Gain	Fiber Dia.	Fiber Length	Connector
C:C-band L:L-band CL:C&L band	10:10dB customer specify	09: Φ 0.9mm	1:1m customer specify	FC,SC,LC,MU/PC,UPC,APC