

Hybrid Raman and EDFA Module

Features

- Integrated Raman and EDFA Design
- Automatic Gain and Tilt Control
- Flatten Gain Shape
- Laser Safty with Automatic Pump Shutdown
- RS232 Communication Interface

Applications

- 40G/100G Transmission
- Long Haul and Ultra-long Haul Link



Main Specifications

Parameter	Unit	Specification		
		Min	Typ	Max
Signal wavelength range	nm		1529~1564	
Pump number	EA		2	3
Output Raman pump power	mW		340	
Gain flatness	dB		0.8	
Gain	dB	18		28
Tilt	dB	-3		3
Gain and tilt accuracy	dB	-0.8		0.8
Effective NF	dB		1.5	
Transient Overshoot/Undershoot	dB		1.5	
Pump light DOP	%			10
PMD	ps			0.5
Communication protocol			RS232	
Operating temperature	C	-5		65
Storage temperature	C	-25		+75
Relative humidity(non-condensation)	%	5		95
Dimensions	mm3		200*150*28	

Electronic Connector Pin Assignment

Pin No.	Description	Pin No.	Description
1	+5VDC Power Supply	16	TXD
2	+5VDC Power Supply	17	Pump Temperature Alarm
3	+5VDC Power Supply	18	Pump Bias Alarm
4	+5VDC Power Supply	19	Loss of Input Alarm
5	+5VDC Power Supply	20	Amplifier Temperature Alarm
6	+5VDC Power Supply	21	Ground
7	Ground	22	Ground
8	Ground	23	Ground
9	Ground	24	Amplifier Disable Input
10	Ground	25	Ground
11	NC	26	Ground
12	NC	27	Ground
13	Output Power Mute Input	28	+5VDC Power Supply
14	CPU Reset	29	+5VDC Power Supply
15	RXD	30	+5VDC Power Supply

Order Information

The above specifications represent the typical performance of O-Net Raman amplifier of this category. Please contact our technical representatives to discuss your specific requirements.