

## Raman Amplifier Module

### Features

- Automatic Gain and Tilt Control
- Variable Gain Setting
- 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	4
Output pump power	mW		800	1200
Gain flatness	dB		0.8	
Gain	dB	5	10	12
Tilt	dB	-3		3
Gain and tilt accuracy	dB	-0.8		0.8
Effective NF	dB		-1	
PDG	dB			0.2
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*160*30	

### Electronic Connector Pin Assignment

Pin No.	Description	Pin No.	Description
1	+5VDC Power Supply	16	Common Alarm
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	Ground	20	Amplifier Temperature Alarm
6	Ground	21	CPU Reset Input
7	Ground	22	Serial Input
8	Ground	23	Serial Output
9	+5VDC Power Supply	24	Amplifier Disable Input
10	+5VDC Power Supply	25	Ground
11	+5VDC Power Supply	26	Ground
12	+5VDC Power Supply	27	Ground
13	Ground	28	+5VDC Power Supply
14	Ground	29	+5VDC Power Supply
15	Ground	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.