O-Net Technologies
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MSA Variable Gain EDFA

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Features

- Compact MSA compliant size
- Variable flat gain
- Semi-customized design flexibility

Applications

- Metro and Access networks

Main Specifications

Parameter	Max	Min	Specification	Unit
Operating Wavelength			1529 ~ 1564	nm
Input Power			-35 ~ +5	dBm
Output Power	√		17	dBm
Gain			13 ~ 30	dB
Noise Figure (Max gain)	√		5.5	dB
Gain Flatness (Peak to Peak)	√		1.5	dB
Input/ Output Return Loss		√	40	dB
PDG	√		0.5	dB
PMD	√		0.5	ps
Input Transient Time			100	μs
Transient Overshoot/Undershoot (16dB Add/Drop)	√		1.5	dB
Transient Settling Time (16dB Add/Drop)	√		1000	μs
Transient Gain Offset	√		0.5	dB
Communication Interface			RS232	
Power Consumption	√		15	W
Operating Temperature			-5 ~ +55	°C
Storage Temperature			-25 ~ +75	°C
Relative Humidity (non-condensation)			5 ~ 95	%
Dimensions			90*70*15	mm

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Electronic Connector Pin Assignment

Pin	Description	Pin	Description
1	+5V	16	NC
2	+5V	17	Pump Temperature Alarm
3	NC	18	Pump Bias Alarm
4	NC	19	Loss of Input Alarm
5	Ground	20	Loss of Output Alarm
6	Ground	21	NC
7	Serial Input	22	NC
8	Serial Output	23	NC
9	Ground	24	NC
10	Ground	25	Ground
11	NC	26	Ground
12	Reset Input	27	NC
13	Amplifier Disable Input	28	NC
14	Output Power Mute Input	29	+5V
15	Amplifier Temperature Alarm Output	30	+5V

Order Information

- The above specifications represent the typical performance of an O-Net Amplifier of this category.
- Please contact our Sales to discuss your specific requirements.