

MSA FIXED GAIN EDFA MODULE

Features

- Compact MSA compliant size
- With build-in control electronics
- RS232 communication interface
- Semi-customized design flexibility

Applications

- Metro and access networks



Main Specifications

Parameter	Specification			Unit	
	Single Channel		Gain Flattened		
Type	Pre-amp.	Booster			
Operating Wavelength	1530~1560	1530~1560	1529~1564	nm	
Input Power	-25~0	-7~+4	-30~-2	dBm	
Output Power	Typ+7	Typ+15	Max 21	dBm	
Nominal Gain	Typ		23	dB	
Noise Figure	Max	6.0	8.0	6.5	dB
Gain Flatness(peak to peak)	Max	N/A	N/A	1.5	dB
Transient Suppression Time*	Max	N/A	N/A	1000(Typ 500)	μs
Transient Over/Under Shot*	Max	N/A	N/A	1.5(Typ 1.0)	dB
PDG	Max	0.5	0.5	0.5	dB
PMD	Max	0.5	0.5	0.5	ps
Input/Output Return Loss	Min	40	40	40	dB
Communication Protocol		RS232			
Power Consumption		5	10		W
Operating Temperature		-5~+65	-5~+65		°C
Storage Temperature		-25~+75	-25~+75		°C
Relative Humidity (non-condensation)		5~95	5~95		%
Dimensions		90*70*15	90*70*15		mm

*15dB Add/Drop

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	NC reserved	18	Pump Bias Alarm
4	NC reserved	19	Loss of Input Alarm
5	Ground	20	Loss of Output Alarm
6	Ground	21	Input Power Monitor Ground
7	Serial Input	22	Output Power Monitor Ground
8	Serial Output	23	Input Power Monitor
9	Ground	24	Output Power Monitor
10	Ground	25	Ground
11	NC reserved	26	Ground
12	CPU Reset Input	27	NC reserved
13	Amplifier Disable Input	28	NC reserved
14	Output Power Mute Input	29	+5VDC Power Supply
15	Amplifier Temperature Alarm	30	+5VDC Power Supply

Order Information

The above specification represents the typical performance of O-Net EDFA of this category. Please contact our technical representatives to discuss your specific requirements.