

Optical Amplifier for Telecom

MSA EDFA Module

YOFC's MSA high power EDFA module has been widely used in the fields of optical fibre sensing, wind detecting LIDAR, and hydrophone system. This product can keep complete waveform during amplification of the optical signal. The product can be configured in AGC, APC or ACC operating mode. The high- reliability temperature-controlling technology ensures the product excellent thermal performance under a wide temperature range.

Characteristics

- Keep the complete waveform
- ACC/APC/ AGC operating mode
- Low noise figure and power consumption
- High stability and reliability
- Customized

Applications

- DWDM
- Hydrophone system
- Universities and institutes



Specifications

Parameters	Minimum	Typical	Maximum
Wavelength (nm)	1528.77	—	1565.05
Input Power (dBm)	-30	—	5
Output Power (dBm)	0	—	20
Gain(dB)	0	—	30
Gain Flatness(dB)	—	1	1.5
Noise Figure (dB)	—	5.5 (P _{in} =0dBm)	6
Return Loss (dB)	—	≤-45	—
Operating Temperature(°C)	0	—	75
Storage Temperature(°C)	-40	—	85
Power Supply(V)	11.4	12	12.6
Power Consumption (W)	—	—	30
Communication Interface	RS232/485		
Electrical Connector	TEM-115-02-03.0-FG-D-L1		
Optical Fibre Connector	LC/SC/FC		
Pigtail Length (cm)	100±2		
Dimensions (mm)	130(L)x100(W)x15(H)		