

## C-Band Low Noise PreAmp EDFA Module

### Product Description:



The MARS series C-band PreAmp EDFA module of Connet is the high-gain, low-noise fiber preamplifier (Pre-EDFA). This amplifier is used to pre-amplify the small signal (down to -45dBm), improve the receiver sensitivity and extend the transmission distance of the signal. This series of amplifiers employ the optimized Erbium-doped fiber optical path structure internally. The high-performance small signal amplification output can be achieved with the ASE being suppressed to an extreme level.

Connet MARS series C-band PreAmp EDFA module is a highly reliable, compact amplifier providing excellent optical performance. It can be customized for single channel or multi-channel pre-amplification. The typical gain of this amplifier is 30dB, 40dB and 50dB. The maximum gain can be up to 50dB.

### Applications:

- Metro network
- Optical access network
- Fiber optic communication
- Scientific research

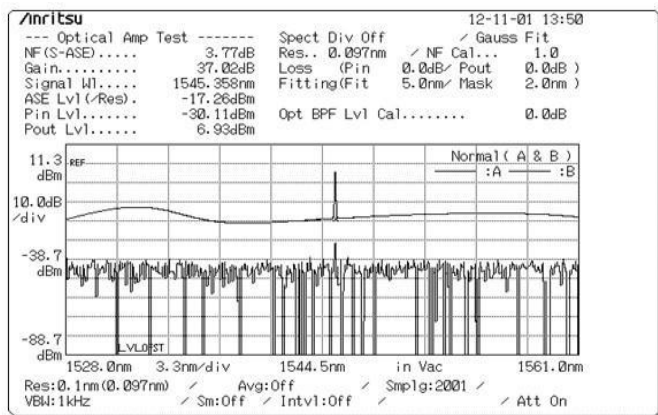
### Features:

- Mini size, compact structure
- Low noise, excellent gain
- High stability, high reliability
- Gain flattened
- Tunable output power

### Specifications:

Parameter	Unit	Specification		
		Min	Typ.	Max
Part no.		MFAS-ER-C-M-PA		
Operating wavelength	nm	1528	1550	1560
Input power	dBm	-45	-	-10
Output power	dBm	-	10	-
Minimum gain	dB	30	-	50
Noise figure	dB	-	4	4.5
Input/output isolation	dB	30	35	-
Output power tunable range	%	0	-	100
Input/output monitor		Optional		
Control mode		ACC or APC		
Power supply	V <sub>DC</sub>	5		
Power consumption	W	-	-	5
Operating temperature	°C	-35	-	+65
Storage temperature	°C	-40	-	+85
Electrical Interface		DB30		
Input/output fiber type		SMF-28e		
Input/output fiber length	m	>0.5		
Optical connector		FC/APC (other options available)		
Dimension	mm	90(L)x70(W)x15(H)		

### Spectrum:



### Ordering Information:

- MFAS-ER-C-M-<PW>-PA
- C: Operating wavelength in nm
- M: M-Module
- PW: Output power in dBm, e.g.: 7-5mW, 10-10mW