



MARS SERIES

MFAS-Er-C-PA



Features:

- Low noise, high gain
- High stability, high reliability
- Gain flattening
- Tunable output power



Applications:

- Metro network
- Optical access network
- fiber optic communications
- Scientific research

C-Band Preliminary EDFA

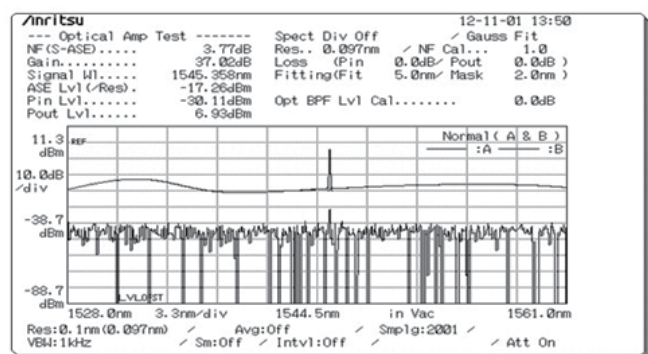
The MARS series C-band preliminary Er-doped fiber amplifiers of Connet Laser are high-gain, low-noise fiber amplifiers (Pre-EDFA). They are used to pre-amplify small signal, improve receiver sensitivity and extend transmission distance of the signal. This series of amplifiers employ optimized Er-doped fiber Optical path Structure internally. The ASE is suppressed to an extreme and high-performance small signal amplifier output is realized. The maximum gain is up to 50 dB (-40dBm)

The MARS series C- band preliminary Er-doped fiber amplifiers (Pre-EDFA) have built-in drive circuit and logical control circuit to perform real-time monitor on the input/output optical power, temperature of the pump laser, temperature of the module and signal gain. The main control software of upper computer can adjust and monitor all the state parameters and configuration information flexibly. This series of amplifiers are available with bench-top or modules package to meet the requirements of different applications.

Specifications:

Parameter	Unit	Specification		
		Min	Typ	Max
Part NO.		MFAS-Er-C-PA		
Operating wavelength	nm	1528	1550	1560
Input power	dBm	-40	-	-10
Output power	dBm	-	10	-
Minimum gain	dB	30	-	-
Noise figure	dB	-	-	5
Isolation	dB	30	35	-
Output power tunable range	%	0	-	100
Output power tunable mode		coarse/fine		
Power supply (Benchtop)	VAC	170	220	260
Power supply(Module)	VDC		5	
Power consumption	W	-	-	2
Operation temperature	℃	0	-	50
Storage temperature	℃	-40	-	85
Output fiber type		SMF 9/125um NA=0.13		
Length of the output fiber	m	> 1		
Optical connectors		FC/APC(other options available)		
Dimension	mm	420(L)×485(W)×105(H): Benchtop 90(L)×70(W)×15(H): Module		

Spectrum :



Ordering information:

- MFAS-Er-C-<P>-<PW>-PA
- P: Package, B-Benchtop, M-Module
- PW: Output power in dBm, Example: 7-5mW, 10-10mW



Room 303, No.950 Jianchuan Road, Shanghai 200240, China

021-61270268

021-61270289

sales@connet-laser.com

www.connet-laser.com



CONNET LASER TECHNOLOGY CO., LTD.