

L-band Optical Fiber Amplifier



Product Description:

The MARS series L-band Er-doped fiber amplifiers of Connet are designed for amplifying the single-mode or the polarization-maintaining signal of the single wavelength optical transmission system. The maximum output power can be up to 23dBm.

Connet MARS series L-band Er-doped fiber amplifiers adopt the ACC or the APC control mode. The output power is continuously tunable and can be precisely controlled. The output power can be set per request via easy operation. The MARS series L-band Er-doped fiber amplifiers have two types of packages for option in benchtop and module. All systems can communicate with computer through the equipped RS232 interface.

Applications:

- SDH/ATM
- Optical distribution system
- Video and Ethernet optical transmission system
- Power amplifying

Features:

- High stability, high reliability
- Gain flattening
- Adjustable output power
- Compact structure



Specifications:

Parameter	Unit	Specification		
		Min	Typ.	Max
Part no.		MFAS-ER-L-B		
Operating wavelength	nm	1570	-	1603
Input power	dBm	-5	-	10
Output power	dBm	-	20	23
Noise figure@0dBm input, 23dBm output	dB	-	-	5.5
Gain Flatness (peak to peak)	dB		1	2
Input/output isolation	dB	30	35	-
Output power tunable range	%	0	-	100
Output power tunable mode		Coarse/Fine		
Power supply	V _{AC}	100-240		
Power consumption	W	-	-	20
Operating temperature	°C	0	-	50
Storage temperature	°C	-40	-	85
Output fiber type (SM)		SMF 9/125um		
Output fiber length	m	> 1		
Optical connectors		FC/APC (other options available)		
Dimension ¹		19" 2U		

Specifications:

- Module package is available for option.

Ordering Information:

- MFAS-ER-L-<P>-<PW>-FA
- P: Package, B-Benchtop, M-Module
- PW: Output power in dBm, e.g.: 20-100mW, 23-200mW