



Raman Fiber Amplifier

Product Description:

The MARS series Raman fiber amplifier has well designed built-in drive circuit and logical control circuit. It can achieve high-performance output with carrier-grade pump laser. And the output power stability can be guaranteed by ATC and APC circuits. Connet Laser provides detection and protective technology to protect both equipment and personal safety. Meanwhile, remote control and operation can be easier and more intelligent because of the high performance microprocessors.

Features:

- High Output Power
- High Gain
- Low Noise
- Gain Flat

Applications:

- SONET/SDH System
- Fiber Optic Communication
- Fiber Optic Sensor
- Cable TV System
- Other Lab Applications

Specifications :

Parameter	Unit	Specifications		
		Min	Typ.	Max
Part No.		MFAS-R		
Wavelength	nm	1528	1550	1560
Equivalent Noise Figure	dB	-2.0	-1.0	-
Typical Gain	dB	-	12	-
Gain Flatness	dB	-	-	2.0
Max Pump Power	mW	-	-	800
Degree of Polarization	%	-	5	10
Output/Input Return Loss	dB	55	-	-
Onput/Output Light Isolation	dB	30	35	-
Operating Temperature	°C	0	-	50
Storage Temperature	°C	-40	-	85
Input Fiber		SMF 9/125um NA=0.13		
Output Fiber		SMF 9/125um NA=0.13		
Output Fiber Length	m	> 1		
Fiber Connectors		FC/APC		
Dimensions	mm	150(L)×125(W)×19(H)		

Ordering Information :

MFAS-R-P-PW

P: Package, B-benchtup, M-module

PW: Output power in mW, Example: 400-400mW, 500-500mW