



MARS SERIES

MFAS-R

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

Raman Fiber Amplifier

The MARS series of Raman Fiber Amplifier have well designed built-in drive circuit and logical control circuit. It can achieve high-performance output with carrier-grade pump laser. And the stability of output power can get 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 high performance microprocessors.

Specifications:

Parameter	Unit	Specification		
		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
Return loss of output and input	dB	55	-	-
Input and 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		
Length of Output fiber	m	> 1		
Fiber connectors		FC/APC		
Dimension	mm	150(L)×125(W)×19(H)		

Ordering information:

- MFAS-R-P-PW
- P: Package, B-benchtop, M-module
- PW: Output power in mW, Example: 400-400mw, 500-500mw



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