

EDFA-MD Gain Module Series



EDFA-MD series are specially designed for C-band single channel fiber system, and can be integrated into EDFA card or sub rack according to customer's application requirements.

The products are Telcordia GR-1312-CORE qualified, and RoHS compliant.

Features

- High output optical power with low noise figure
- Wide operating wavelength range
- Flexible monitoring interface
- High reliability
- Easy installation and maintenance

Applications

- SDH/PDH system

Specifications

Parameter	Unit	Value								
		BA			LA			PA		
		Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.
Operation Wavelength	nm	1530		1565	1530		1565	1530		1565
Input Optical Power	dBm	-6		3		-10		-40	-30	
Output Optical Power	dBm	8		18		15				
Optical Gain	dB					25			25	
Noise Figure ¹	dB		5.0			5.0			4.0	
Input /Output return Loss	dB	Typ. 45/45								
Polarization Dependent Gain	dB	Max. 0.3								
Operation Voltage	V	5.0±5%								
Power Consumption	W	Max.15								
Operation Temperature	°C	-5~+55								
Storage Temperature	°C	-25~+70								
Package	mm	150×125×20								
Electric interface		DB25 (male)								

Note: 1,At1550nm, minimum input power.

Ordering information

EDFA — MD — BA — — — — —

Output Power	Fiber Dia.	Fiber Length	Connector
15:15dBm customer specify	09: Φ0.9mm	1:1m customer specify	FC,SC,LC,MU/PC,UPC,APC

EDFA — MD — LA — — — — — —

Rated Gain	Output Power	Fiber Dia.	Fiber Length	Connector
25:25dB customer specify	15:15dBm customer specify	09: Φ0.9mm	1:1m customer specify	FC,SC,LC,MU/PC,UPC,APC

EDFA — MD — PA — — — — — —

Rated Gain	Fixed filter Central Wavelength	Passband Width	Fiber Dia.	Fiber Length	Connector
25:25dB customer specify	0: 1550.00nm、1: 1550.12nm 2: 1550.92nm、C: without filter	Fixed filter: 0.4 : 0.4nm 0.8 : 0.8nm 6.0 : 6.0nm	09: Φ0.9mm	1:1m customer specify	FC,SC,LC,MU/ PC,UPC,APC