

## EDFA Multi-Channel Gain Module Series



### Product Introduction

EDFA-MW/MC series are specially designed for DWDM transmission system, and can be integrated into EDFA card or sub rack according to customer's application requirements. The MW series are normal type while the MC series are compact type.

### Features

- High output optical power with low noise figure
- Wide operating wavelength range
- Compact module size
- Low power consumption

### Applications

- Long-distance backbone network
- Metro network or optical access network
- DWDM transmission system

### Standards

- Telcordia GR-1312-CORE
- RoHS

### Specifications

| Parameter                   | Unit | Specifications |      |      |      |      |               |      |      |      |
|-----------------------------|------|----------------|------|------|------|------|---------------|------|------|------|
|                             |      | BA             |      |      | LA   |      |               | PA   |      |      |
|                             |      | Min.           | Typ. | Max. | Min. | Typ. | Max.          | Min. | Typ. | Max. |
| Operating Wavelength        | nm   | 1528           |      | 1562 | 1528 |      | 1562          | 1528 |      | 1562 |
| Output Power                | dBm  |                | 20   |      |      | 20   |               |      | 13   |      |
| Gain                        | dB   |                | 25   |      |      | 25   |               |      | 25   |      |
| Gain Flatness               | dB   |                | 0.6  | 1.5  |      | 0.6  | 1.5           |      | 0.6  | 1.5  |
| Noise Figure                | dB   |                | 5    |      |      | 5    |               |      | 5    |      |
| In/Out Return Loss          | dB   | Typ 45/45      |      |      |      |      |               |      |      |      |
| Polarization Dependent Gain | dB   | Max 0.3        |      |      |      |      |               |      |      |      |
| Operation Temperature       |      | -5~+55         |      |      |      |      |               |      |      |      |
| Storage Temperature         |      | -25~+70        |      |      |      |      |               |      |      |      |
|                             |      | for MW series  |      |      |      |      | for MC series |      |      |      |
| Operation Voltage           | V    | 5.0±5%         |      |      |      |      | 3.3±5%        |      |      |      |
| Power consumption           | W    | Max 30         |      |      |      |      |               |      |      |      |

|                    |    |            |            |
|--------------------|----|------------|------------|
| Dimension          | mm | 150x125x20 | 90x70x15   |
| Electric Interface |    | DB25 male  | 30PIN male |

Ordering Information

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Connector

FC SC,LC,MU/UPC,APC

Fiber length

1:1m customer specify

Fiber Dia.

09: φ0.9mm customer specify

Output Power

17:17dBm customer specify

Rated Gain

25:25dB customer specify

Operating Wavelength

40:1528~1562nm customer specify

EDFA Type

BA LA PA

Frame Type

MW:Normal MC:Compact