

## Erbium Doped Fiber Amplifier (EDFA-L band) Series Module

L-band EDFA series include booster-amplifier, line-amplifier and pre-amplifier in optical gain block or optical-electric module. The products meet the Telcordia GR-1312-CORE.

### Feature:

- Flexible monitoring interface
- Easy to be installed

### Applications:

- L-band optical transmission system
- L-band DWDM system

### Specifications:

| Parameter                        | Unit            | Min.        | Typ. | Max. |
|----------------------------------|-----------------|-------------|------|------|
| Operation wavelength             | nm              | 1568        |      | 1604 |
| Output optical power             | dBm             |             | 17   |      |
| Optical gain                     | dB              |             | 22   |      |
| Gain flatness                    | dB              |             | 1.0  | 1.5  |
| Noise figure                     | dB              |             | 5.5  |      |
| Input return loss                | dB              |             | 50   |      |
| Output return loss               | dB              |             | 50   |      |
| Polarization dependent gain(PDG) | dB              |             |      | 0.3  |
| Operation temperature            | °C              | 0           |      | 50   |
| Storage temperature              | °C              | -5          |      | 70   |
| Power consumption                | mm <sup>3</sup> | 150×124×20  |      |      |
| Electric interface               |                 | DB25 (male) |      |      |

|                      |  |
|----------------------|--|
| Input/Output         | no connector, FC/PC, FC/APC, SC/PC, SC/APC, LC/PC, MU/PC, customer specify |
| Output optical power | 17dBm, Customer specify  |
| Rated gain           | 22dB, customer specify   |
| Application          | B: Booster amplifier, L: Line amplifier, P: Pre-amplifier                  |
| Module Type          | GW: optical gain block, MW: optical-electric module                        |