



U-Series

Erbium-Doped Fiber Amplifier Module

U-5000 Extended C-band EDFA

The U-5000 Extended C-band EDFA is catered for metro broadband application. This OEM version will fit in a variety of booster, in-line or post amplifying applications as requested by the customer. This latest model EDFA enables the C-band fiber optic communication window to be fully utilized. It provides additional 30nm of bandwidth in the C-band thus enabling amplification from 1520nm to 1570nm while maintaining noise figure below 5.5dB. This model can be controlled remotely via NMS. It is an excellent high performance solution with great reliability. The Telcordia™ GR-1312CORE standards-compatible U-5000 comes with built-in sophisticated control electronics and monitoring outputs that could be easily integrated to telecom interface cards.

Our technology is a patented optical design with minimum loss and optimum amplification performance. The software and control electronics has been designed for extremely precise monitoring and controlling of devices. It is designed to work in various network platforms.

Contact us for higher power and customized requirements.

Features

- 30nm extra bandwidth
- Extended C-band amplification
- Widest operating range
- Transparent to wavelength add/drop
- Multi-channel amplification
- NF < 5.5dB entire range
- Electronically controlled
- Configurable constant output power
- Optional automatic gain control (AGC) features
- Standard telecom card mountable

Applications

- CATV
- CWDM
- Supervisory channel amplification
- Boost tunable laser sources
- Supervisory WDM systems

