



Optical Amplifier

Benefits

- Booster, Inline and Pre-amplifier
- Data rate independent
- Amplifies multiple wavelengths to several hundred km
- Low noise figure
- Easy-to-install and use (Plug-and-Play)
- Extending reach of Optical & DWDM networks

Description

Optical amplifiers are an essential component in metro, regional and long haul optical networks. The MICROSENS Optical Amplifier modules allow optical signals to be transmitted over longer distances without the need for regeneration. It is simple and economical and can amplify multiple wavelengths to distances of several hundred km.

The module is an Erbium Doped Fiber Amplifier (EDFA) that is protocol and data rate independent. The module amplifies optical signals in uni or bi-directional modes and may be ordered as a Booster or a Booster/Pre-amplifier. A third amplifier available from MICROSENS is the module which is used for Inline amplification. It extends the distance of DWDM networks and in many cases eliminates the need for costly regeneration.

Description	Art.-No.
Optical Booster 25 dB Amplifier Module, +20 dBm output power, for narrow band application	MS430801M
Optical Booster 15 dB amplifier unit +17 dBm for WDM application with 1590 OSC A&D and external pump input for 20 dBm upgrade	MS430860M
Optical Booster 15 dB & Pre Amplifier 29 dB unit +17 dBm for WDM application with 1590 OSC A&D and external pump input for 20 dBm upgrade	MS430863M
Optical Line Amplifier 29 dB unit +20 dBm for WDM application with 1590 OSC A&D and external pump input for 20 dBm upgrade	MS430864M
Optical Pump Module (3 dB) for 17 dBm Amplifier upgrade (+20 dBm)	MS430869M