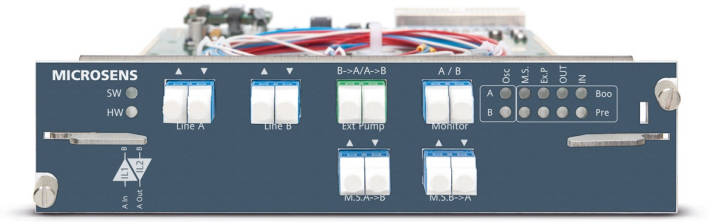
Product Overview

EDFA Amplifier



Description

Carrier networks continue to grow, with Service Level Agreements becoming ever more demanding. As networks grow, so does the need for efficient optical amplification. MICROSENS continues to lead the way in optical performance and amplification with the new amplifier family.

It allows optical signals to be transmitted over longer distances without the need for regeneration or external power control modules. The new MICROSENS amplifier family automatically compensates the gain settings as fibers degrade over time due to aging or splicing, and seamlessly adjusts the optical power as channels are added and removed. This eliminates the need to manually adjust the network as it evolves.

The MICROSENS amplifier family amplifies optical signals bidirectionally and can be ordered as integrated Optical Boost and Pre-amp (OABP) or Integrated Optical In-Line Amplifier (OAIL) in a single unit form factor.

The implemented span loss monitoring functionality deals efficiently with fiber aging and fiber fixes-related issues, avoiding OSNR impact on any channels.

Properties

- Flexible options such as Optical Booster, Preamplifier or In-line Amplifier
- Output power up to 23 dBm
- Data rate and protocol independent
- Amplifies multiple wavelengths over several hundred kilometers
- Bidirectional amplifier on a single board
- Low noise and variable nominal gain
- Integrated Optical Supervisory Channel
- Low power consumption
- Automatic Fiber aging compensation
- Works in constant output power or constant gain mode

Order Information

Description	Article Number
EDFA Amplifiers	
Variable Gain Optical Booster 18dB (down to 10dB) & Variable Gain Pre Amplifier Unit +32dBm (down to 18dB), +17dBm output power for WDM application with 1510 OSC A&D and 2 external pump input for 20 & 23dBm upgrade	**MS430845M**
Variable Gain Line Amplifier +32dBm (down to 18dB), +17dBm output power for WDM application with 1510 OSC A&D and 2 external pump input for 20 & 23dBm upgrade	**MS430846M**
Variable Gain Line Amplifier +32dBm (down to 18dB), +17dBm output power for WDM application with 1510 OSC A&D and 2 external pump input for 20 & 23dBm upgrade, Extended Temperature range	**MS430846MX**
Variable Gain Line Amplifier +32dBm (can be reduced to 18dB) unit, +17dBm output power for WDM application with one external pump input for 20Bm upgrade. Includes 1510 optical supervisory channel.	**MS430848M-17**
Variable Gain Line Amplifier +32dBm (can be reduced to 18dB) unit, +20dBm output power for WDM application with one external pump input for 23dBm upgrade. Includes 1510 optical supervisory channel.	**MS430848M-20**
Variable Gain Optical Booster 18dB (can be reduced to 10dB) & variable gain pre-amplifier 32 dB (can be reduced to 18 dB) unit, +17dBm output power for WDM application with one external pump input for 20dBm upgrade. Includes 1510 optical supervisory channel.	**MS430849M-17**
Variable Gain Optical Booster 18dB (can be reduced to 10dB) & variable gain pre-amplifier 32 dB (can be reduced to 18 dB) unit, +20dBm output power for WDM application with one external pump input for 23dBm upgrade. Includes 1510 optical supervisory channel.	**MS430849M-20**
Optical Pump Module (3dB) for 17dBm Amplifier upgrade (+20dBm with 1 pump, +23dBm with 2 pumps)	**MS430847M**
Automatic Power Control Unit	**MS430855M**
Automatic Power Control Unit for single fiber application	**MS430856M**
Automatic Power Control Unit for single fiber application	**MS430857M**