Ultrafast Fiber Laser Technology

L-band EDFA

Calmar's EDFA has extended its wavelengths into L-band for DWDM transmission systems.

The L-Band EDFA (AMP-STL) amplifies optical signals within the wavelength range 1570 ~ 1603nm. It provides low noise figure and excellent gain. It is a self-contained, robust and reliable instrument that is easy to operate.

The AMP-STL will help increase the bandwidth of the optical fiber communications networks. In addition, it will have unique applications in free space communications, coherent beam combining, and detection systems as will.

- Small signal gain 22 ~ 28 dB
- Saturated output power up to 30 dBm
- Wavelength range 1570 – 1603 nm
- Input power range -6 to + 3 dBm
- Low noise figure
- Simple and user friendly interface
- Long term stability

CALMAR OPTCOM

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Technical Specifications – L-ban EDFA series

Model Number	AMP-STL15	AMP-STL18	AMP-STL20
Output Power (dBm)	15	18	20
Small Signal Gain (dB)	22	24	26
Input Power Range (dBm)	- 6 to +3	-6 to +3	-6 to +3
Wavelength (nm)	1570 - 1603	1570 - 1603	1570 - 1603
Noise Figure (dB)	< 6	< 6.5	< 7.0
Operating Voltage (V)	90 - 240 AC	90 - 240 AC	90 - 240 AC
Dimensions (mm)	250(w) x 105(H) x 300(L)	250(w) x 105(H) x 300(L)	250(w) x 105(H) x 300(L)

Model Number	AMP-STL23	AMP-STL27	AMP-STL30
Output Power (dBm)	23	27	30
Small Signal Gain (dB)	27	28	28
Input Power Range (dBm)	-6 to +3	- 6 to +3	- 6 to +3
Wavelength (nm)	1570 - 1603	1570 - 1603	1570 - 1603
Noise Figure (dB)	< 7.2	< 7.5	< 7.5
Operating Voltage (V)	90 – 240 AC	90 - 240 AC	90 - 240 AC
Dimensions (mm)	250(w) x 105(H) x 300(L)	250(w) x 105(H) x 300(L)	250(w) x 105(H) x 300(L)

Safety Information

The product complies with FDA radiation performance standards 21 CFR 1040.10 and 1040.11

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