

## EDFA/BBS



- Spectral Range 1525-1565nm
- Amplifier small-signal gain > 30dB
- BBS output powers > 15dBm
- User control of gain/output power
- Optically isolated output
- FC/APC connectors
- 19" rack mounted and/or benchtop use
- Custom options available

### Product description

OPTOSCI's combined EDF Amplifier / Source instrument allows the user the flexibility to convert the EDFA into a Broadband Source as required using an external patchcord link to the internal loop mirror. The unit's display will read either the power of the pump laser or the total output power of the unit. The gain/output signal power of the amplifier and the output power of the source can be altered by adjusting the front panel control. The instrument's 19" enclosure can be used both as a benchtop unit or 19" rack mounted as desired.

### General Specifications

Model	EDFA/BBS
Pump Wavelength (nm)	980
Output Isolation (dB)	> 35
Connector Type	FC/APC

### Unit Specifications

Model	EDFA-S
Wavelength Range (nm)	1530-1560
Small Signal Gain (dB) (-30dBm input @ 1550nm, Max. Pump)	> 30
Saturated Output Power (dBm) (Max. Pump)	> 10
Output Power (dBm) (1mW input, Max. Pump)	> 13
Noise Figure (dB)	< 5.5

### Ordering information

EDFA/BBS	Combined EDF Amplifier / Source
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Model	BBS-S
Wavelength Range (nm)	1525-1565
Output Power (dBm) (user adjustable)	> 15
Power Stability – 30min (dB)	±0.02
Power Stability – 24 hours (dB)	±0.05

Since OPTOSCI are committed to continuously improving the design and performance characteristics of our products, these specifications are subject to change without notice.

Date: June 2001