Activa Netcom & Energy Systems

BOA Optical Power Amplifier

Overview

Booster Optical Amplifiers (BOAs) are single-pass, traveling-wave amplifiers that perform well with both monochromatic and multi-wavelength signals. Since BOAs only amplify one state of polarization, they are best suited for applications where the input polarization of the light is known. O-band quantum dot BOAs are notable for their high output power, with some models exceeding 550mW, and a high saturation. The BOA 1132 is a high saturation output power high bandwidth polarization maintaining Booster Optical Amplifier (BOA). It incorporates a highly efficient InP/InGaAsP Quantum Well (QW) layer structure and a reliable ridge waveguide design. This allows to transfer light signals over long distances in communication systems without any degradation in quality.

Article Content

BOA 1132: O-band Booster Optical Amplifier

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L-Band Booster Optical Amplifiers (BOAs), 1590

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Optical Amplifiers

Free-space optical communication: BOAs amplify signals for satellite and ground-to-ground communications, while in Fiber Bragg Grating systems, both SOAs and BOAs improve signal power

C-Band Optical Amplifiers (BOAs and SOAs), 1550 nm

Compact Optical Amplifier in Butterfly Package Low Noise, Broad, Flat Optical Bandwidth, High Saturation Power (>15 dBm) Polarization-Independent and Polarization-Maintaining Versions

Benchtop, Fiber-Coupled Booster & Semiconductor Optical Amplifiers

Our benchtop BOAs are available with center wavelengths at 1050, 1300, 1550, 1590, and 1625 nm. For amplication at 1550 nm, we also offer a semiconductor optical amplifier (SOA) that provides

780 nm Booster Optical Amplifier, 13 dBm, 25 | BOA780 | Volition

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Booster Optical Amplifier, 1050 nm, 17 dBm | BOA1050P | Volition

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Booster Optical Amplifiers (BOAs), 780-795 nm

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Booster Optical Amplifiers (BOA)

Booster Optical Amplifiers (BOAs), designed for handling significant input signals (typically around 10dBm), are available in both submount and fiber-coupled configurations.

BOA: balanced optical amplifier | IEEE Journals & Magazine

An efficient balanced optical amplifier (BOA) configuration is presented. In this technique, the four ports of a multiplexer coupler are used to combine signal and pump in a symmetric fashion. The use of this

Fiber Optical Amplifier 1310nm

The Amplifier will store the setting for the next time you turn it on, even without the PC. The Amplifier only works if the input optical power level is within the spec.

Microsoft Word

Thorlabs'' BOA1132P is a high saturation output power, high bandwidth, polarization-maintaining Booster Optical Amplifier. The BOA1132P incorporates a highly efficient InP/InGaAsP Quantum Well (QW)

Contact Us

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