

### EYDFA (ErbiumYtterbium-doped fiber amplifier) series

The EYDFA series of stand-alone devices with the user-friendly front panel and OEM units are designed for a wide range of applications.

These units include a wide selection of Boosters.

The Rack-mount EYDFA series of high performance, low noise and high output power amplifiers provide the perfect opportunity to build flexible CATV network systems.

These EYDFAs are available in both single channel and DWDM configurations.

All EYDFAs are available in Bench Top, 1U 19" Rack-mount, Gain Block or Module formats.



#### Features

- Wide range of power from 30 dBm to 36 dBm
- Low noise figure
- RS232 or USB interface
- High plug-in efficiency
- High performance-to-cost ratio
- Custom design flexibility

#### Applications

- Analog and Digital CATV Optical Network
- Long-Haul transmitting system
- Free air communication
- Instrumentation
- R&D
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### Specification for EYDFA Amplifiers

Parameters	Unit	Booster amplifier
Output power <sup>1</sup>	dBm	30 - 36
Wavelength range	nm	1540–1565
Noise figure <sup>2</sup>	dB	<5
Small signal gain <sup>3</sup>	dB	Up to 35
PDL	dB	<0.2
PMD	ps	<0.25
Gain flatness	dB	N/A
Operating temperature	C	0 to +45
Storage temperature	C	-40 to +85
Humidity	%	0 to 95 (Non-condensing)

(1) Pin = 0 dBm at 1550 nm.

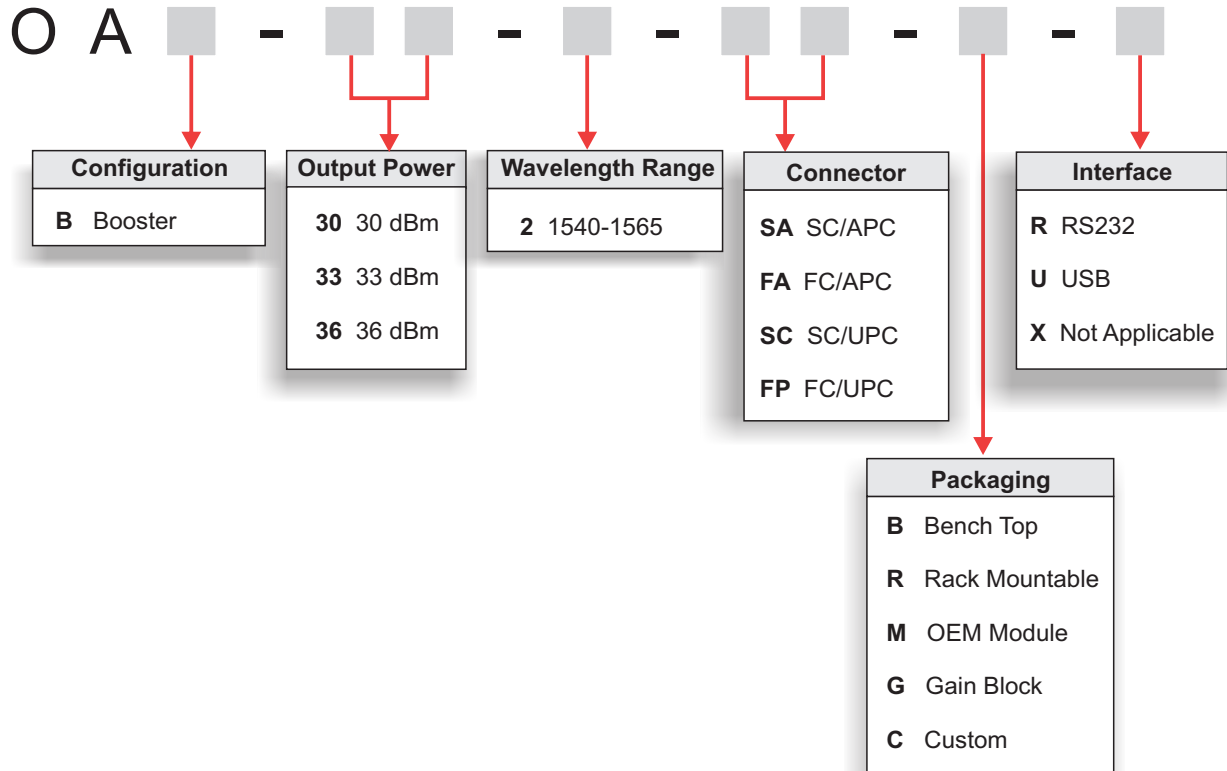
(2) Pin = 0 dBm at 1550 nm.

(3) Pin = -20 dBm at 1550 nm.

## Ordering information

Indicate your requirements by selecting one option from each configuration table.  
For more information on this or other products and their availability, please contact QGLex Inc.

**Sample: OAB-33-2-SA-B-R**



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