

### YDFA (Ytterbium-doped fiber amplifier) series

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

QGLex covers a wide range of applications with its high performance and high power Ytterbium doped fiber amplifiers such as Industrial and Scientific applications.

The 1 $\mu\text{m}$  YDFAs are available with power up to 50W.

QGLex amplifiers are available in OEM integrated packages or "plug-and-play" Benchtop format with a wide range of options such as polarization maintaining or pulse amplification.

All YDFA-DCs are available in Bench Top, 19" Rack-mount, Gain Block or Module formats.



### Features

- Wide range of power from 30 dBm to 46 dBm
- RS232 or USB interface
- High plug-in efficiency
- High performance-to-cost ratio
- Custom design flexibility

### Applications

- Pulse amplification
- Industrial
- Scientific
- Instrumentation
- R&D

### Specification for EYDFA Amplifiers

Parameters	Unit	Booster amplifier
Output power <sup>1</sup>	dBm	30 - 46
Wavelength range	nm	1055–1075
Noise figure <sup>2</sup>	dB	<10
Small signal gain <sup>3</sup>	dB	Up to 30
PDL	dB	<0.3
PMD	ps	<0.35
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 1064 nm.

(2) Pin = 0 dBm at 1064 nm.

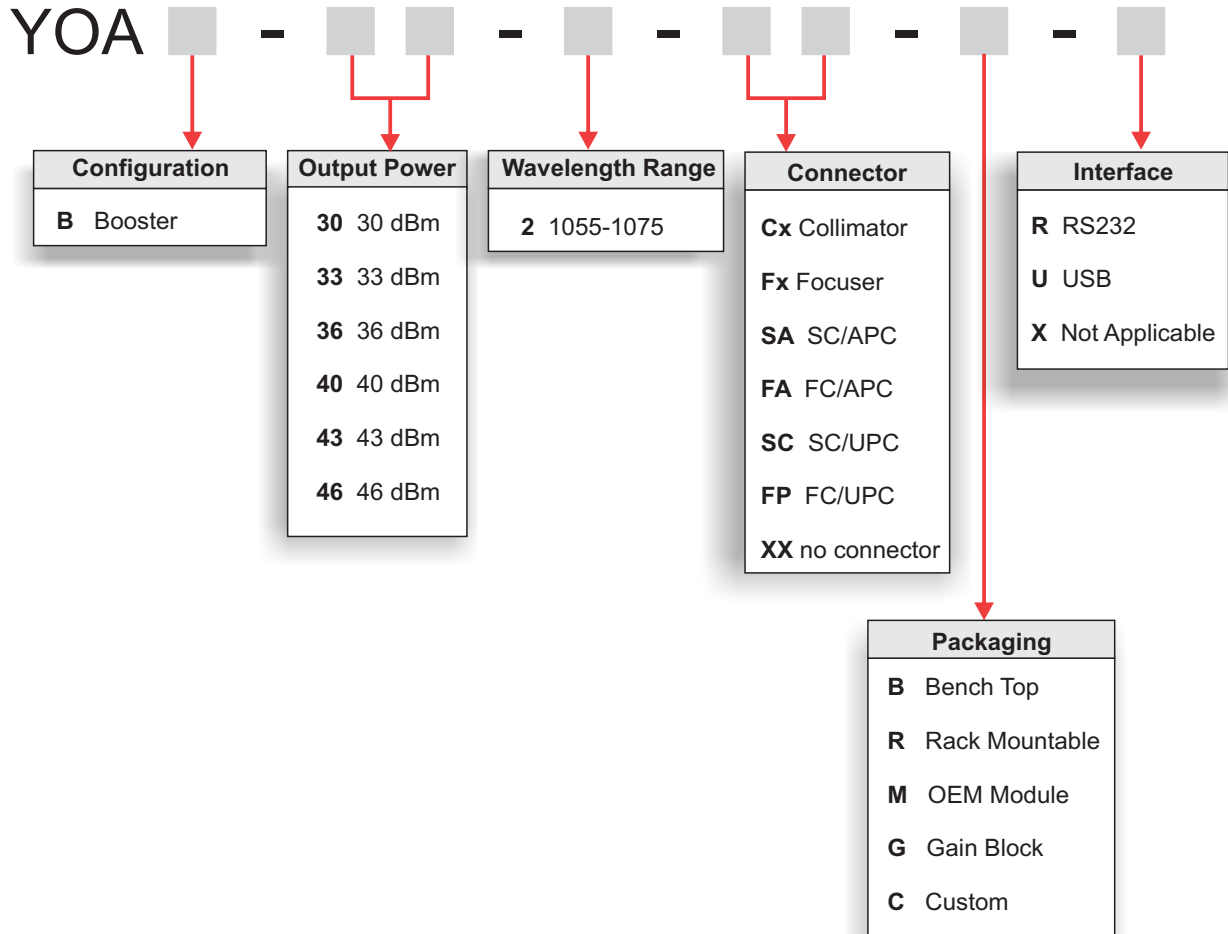
(3) Pin = -20 dBm at 1064 nm.

## 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: YOAB-33-2-SA-B-R

**Note:** Some specific combinations of options may not be available, please contact QGLex Inc.



QGLex Inc.  
105 Schneider Rd., Suite 111  
Ottawa, ON, Canada  
K2K 1Y3  
Info@qglexinc.com  
[www.QGLexInc.com](http://www.QGLexInc.com)

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