# YDFA Optical Fiber Amplifiers1µm

# YDFA (Ytterbium-doped fiber amplifier) series

The YDFA-SC 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 1µm YDFA-SCs are available with power up to 20dBm

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

### Features

**JGLex** 

- Wide range of power from 14 dBm to 20 dBm
- RS232 or USB interface
- High plug-in efficiency
- High performance-to-cost ratio
- Custom design flexibility

#### **Applications**

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

#### **Specification for EYDFA Amplifiers**

Parameters	Unit	Booster amplifier
Output power <sup>1</sup>	dBm	14 - 20
Wavelength range	nm	1055–1075
Noise figure <sup>2</sup>	dB	<10
Small signal gain <sup>3</sup>	dB	Up to 25
PDL	dB	<0.3
PMD	ps	<0.35
Gain flatness	dB	N/A
Operating temperature	С	0 to +45
Storage temperature	С	-40 to +85
Humidity	%	0 to 95 (Non-condensing)

(1) Pin = 0 dBm at 1064 nm.

(2) Pin = 0 dBm at 1064 nm.

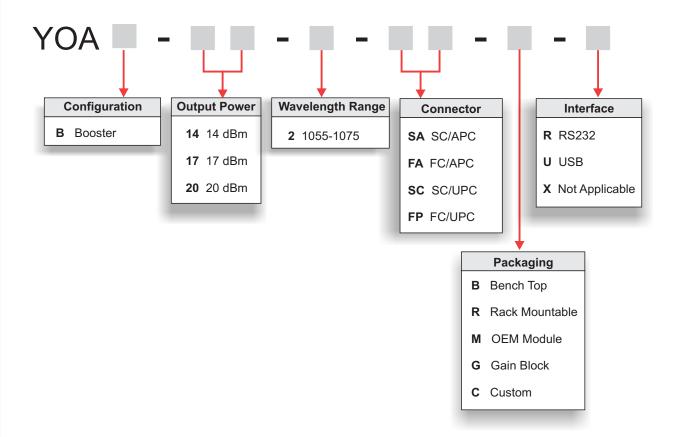
(3) Pin = -20 dBm at 1064 nm.



### **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-17-2-SA-B-R



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