

Applications

- SHG Application
- Medical
- Industrial
- Fiber Optic Sensing
- Laboratory

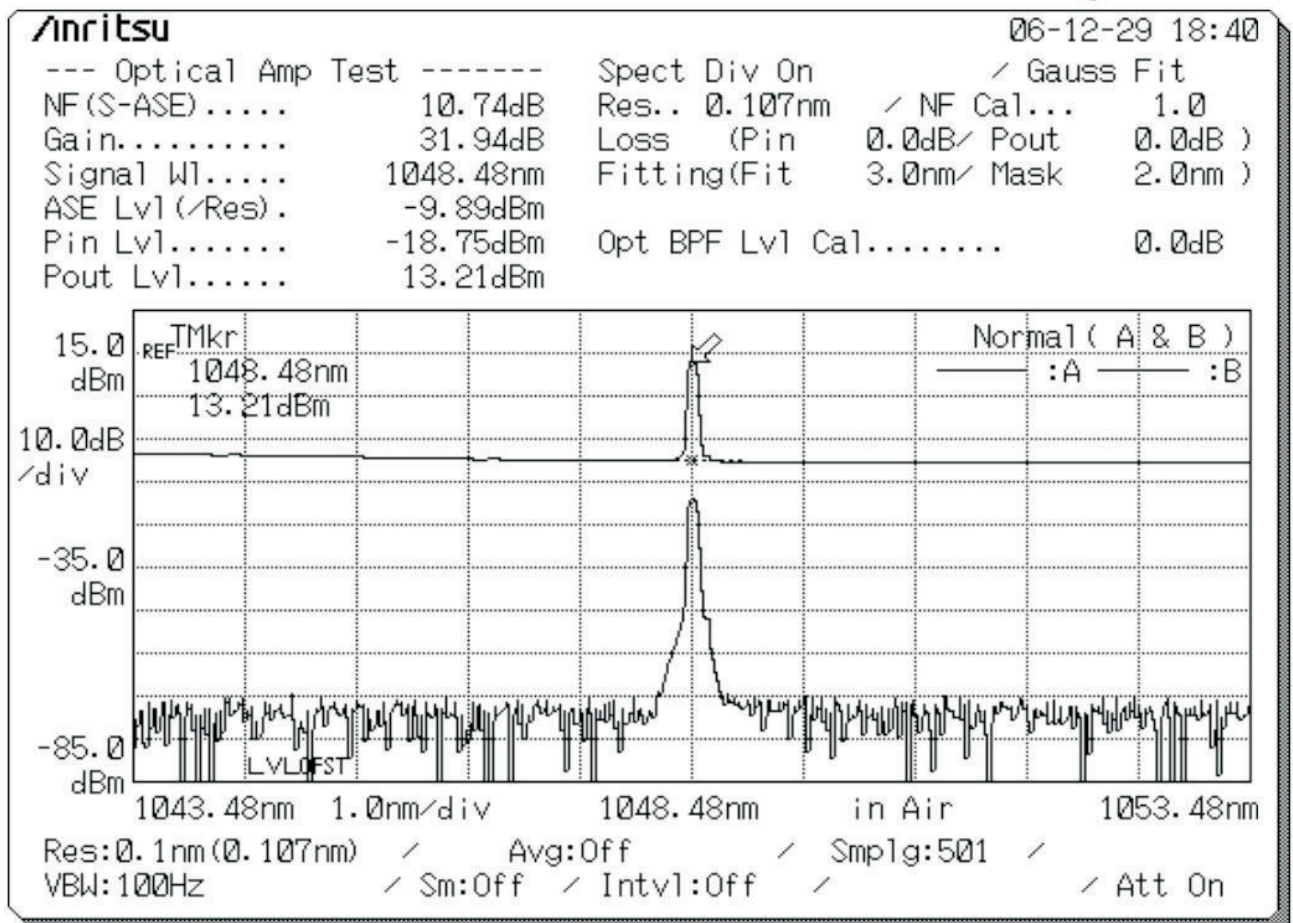
Key Features

- Turnkey device
- RS232 computer interface
- High output power
- Single mode fiber delivery
- Highly reliability
- Two year warranty

Description

Amonics' specialized product, Ytterbium-doped Fiber Lasers (YDFAs) are made with high power pump laser and high stability pump combiners, robust in high power boosting. The results are YDFAs that possess high output power, high gain with exceptionally reliable performance, and are ideal for high power YDFA applications.

The turnkey microprocessor controlled benchtop YDFA manage alarms and status indicators. An integrated RS232 computer interface enables easy control, diagnostic functions and data acquisition. Available options include single frequency operation, linearly polarized operation.



Standard YDFA Specifications

	AYDFA-20	AYDFA-23	AYDFA-27
Saturation Output Power (at 0dBm input signal)	>+20 dBm	>+23 dBm	>+27 dBm
Operating Wavelength	1054 nm -1074 nm (extended to 1090nm wavelength is available)		
Input Isolation	>30dB		
Output Isolation	>30dB		
Polarization Dependent Gain	< 0.3 dB		
Control Mode	ACC (standard), APC & AGC		

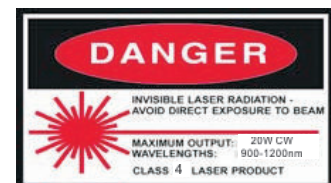
* Other output power models are available upon request

General Environmental Parameters

Parameter	Unit	Specification
Operation Temperature Range	°C	+10 to +30
Storage Temperature Range	°C	-10 to +70
Power Supply	VAC	80 – 240, 43 – 63Hz
Dimensions	mm	250(W) x 300(L) x 100(H)
Control	-	Keylock switch, optical output power
LCD Display	-	Output power, laser temperature
Computer Interface	-	RS232 (Labview control software & connection cable included)
Protection	-	Pump laser over heat warning
Optical Connector	-	FC/APC, FC/UPC, SC/APC, SC/UPC
Optical Fiber	-	Hi 1060

Option:

- Linear polarized
- APC or AGC Control Mode
- Input Power Monitoring
- Benchtop or 2U 19" Rackmount Housing



Ordering Information

Product Code	AYDFA-wwww-xx-y-zz	<p>www: Wavelength in nm xx: Output Power in W y: B for Benchtop case, R for 19" Rackmount case zz: FA for FC/APC, FC for FC/UPC SA for SC/APC, SC for SC/UPC</p>
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