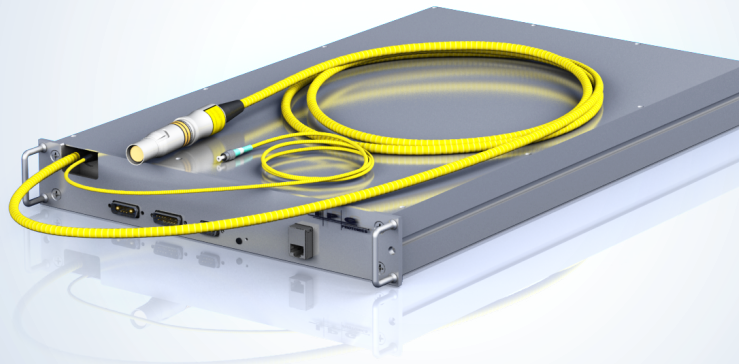




YAM-SM-LP & YAM-SM

High Power Ytterbium CW Fiber Amplifiers

NEW PRODUCT



Applications

- ▶ Spectral Beam Combining
- ▶ Coherent Beam Combining
- ▶ Advanced Applications
- ▶ Sensing/Detection Systems



Features

- ▶ Selectable Wavelength
- ▶ Output Power up to 3 kW
- ▶ Single-mode Fiber Output
- ▶ Polarization Options
- ▶ Narrow Linewidth
- ▶ Compact Rugged Package
- ▶ Cost Effective Solutions

The **YAM Ytterbium High Power Fiber Amplifiers** cover spectral range from 1030 to 1070 nm and output power up to 3 kW. These amplifiers deliver high end parameters out of a convenient package with Ethernet and RS-232 interfaces. Options include linear or random polarization, different output power levels and custom packaging. The YAM amplifiers are used for coherent and spectral beam combining, sensing/detection systems and other applications.

YAM-SM-LP & YAM-SM

High Power Ytterbium CW Fiber Amplifiers

Optical Characteristics	YAM-SM	YAM-SM-LP
Wavelength Range*, nm	1030-1055 & 1055-1070	
Mode of Operation	CW	
Input Power Range, mW	40-60 & 5-15	
Minimum Input Signal Linewidth**, GHz	15-50	15-25
Saturated Output Power, W	1000-3000	1000-1500
Power Tunability, Low Power Mode, W	0.01-20	0.01-10
Power Tunability, High Power Mode, W	20-3000	10-1500
Power Stability***, %	±2	
Polarization****	Random	Linear, > 50:1
Beam Quality, M ²	<1.1	

* Custom central wavelengths are available upon request in the specified range.

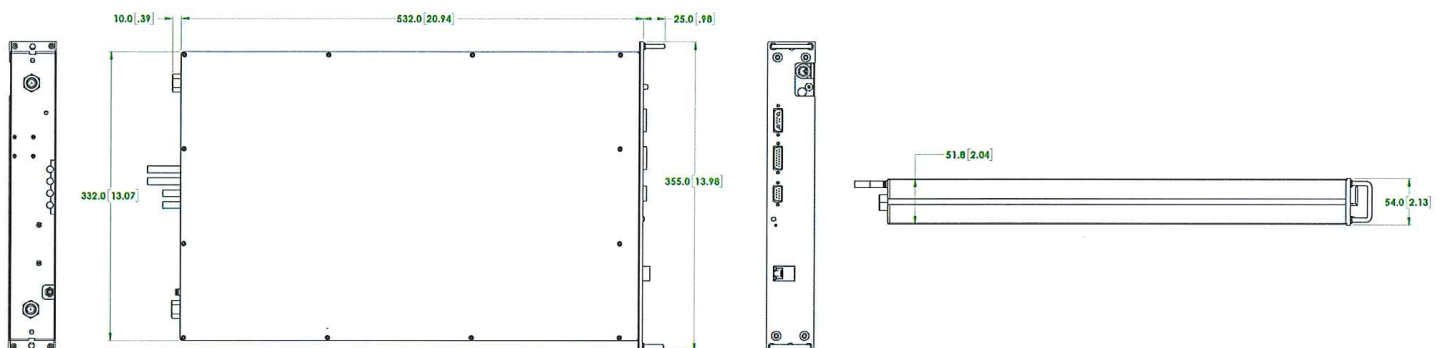
** Depends on output power and polarization.

*** Over 2 hours, ACC, depends on polarization stability for non-PM.

**** For non-PM (without-LP) depends on seed polarization.

General Characteristics

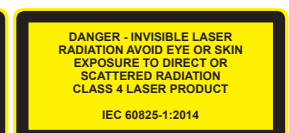
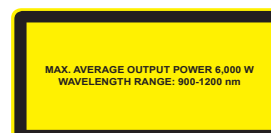
Module Dimensions (W × D × H), mm	355 × 532 × 53
Cooling	Water
Weight, kg	<14
Supply Voltage, VDC	60



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