YAM-SM & YAM-SM-LP

Narrow Line CW Ytterbium CW Fiber Amplifiers

Up to 2 kW
Linearly Polarized

Up to 4 kW Output Power
30 GHz Linewidth

NEW

FEATURES

- Wavelength Range 1030-1070 nm
- Single-mode Fiber Output with $M^2 < 1.1$
- Up to 2 kW Linearly Polarized
- Up to 3 kW Randomly Polarized
- Up to 4 kW Depolarized
- Narrow Linewidth
- Polarization Options
- Compact Rugged Package
- Cost Effective Solutions

APPLICATIONS

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

YAM Narrow Linewidth Ytterbium High Power Fiber Amplifiers cover a spectral range from 1030 to 1070 nm and output power up to 4 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.

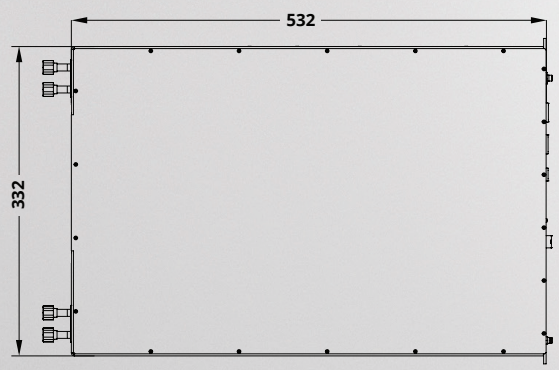
YAM-SM & YAM-SM-LP

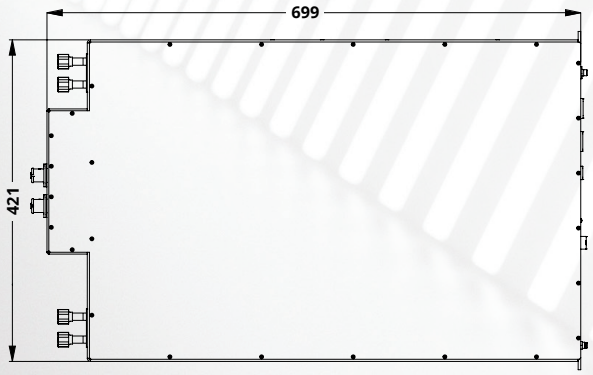
Narrow Line CW Ytterbium CW Fiber Amplifiers

Optical Characteristics	YAM-SM	YAM-SM-LP	YAM-SM-VV
Wavelength Range*, nm	1030-1055 & 1055-1070		1055-1070
Mode of Operation	CW		
Input Power Range, mW	40-60 & 5-15		5-15
Minimum Input Signal Linewidth**, GHz	15-50	15-25	60
Saturated Output Power, W	1000-3000	1000-2000	4000
Power Tunability, Low Power Mode, W	0.01-20	0.01-10	0.01-20
Power Tunability, High Power Mode, W	20-3000	10-1500	20-4000
Power Stability***, %	±2		
Polarization****	Random	Linear, > 50:1	Depolarized
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	YAM-SM	YAM-SM-LP	YAM-SM-VV
Module Dimensions (W × D × H), mm	355 × 532 × 53		421 × 699 × 53
Cooling	Water		
Weight, kg	<14		<23
Supply Voltage, VDC	60		60-100





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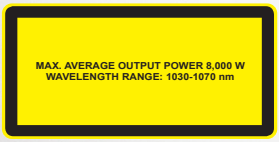

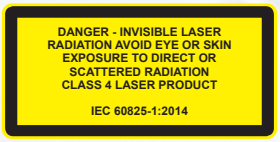

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