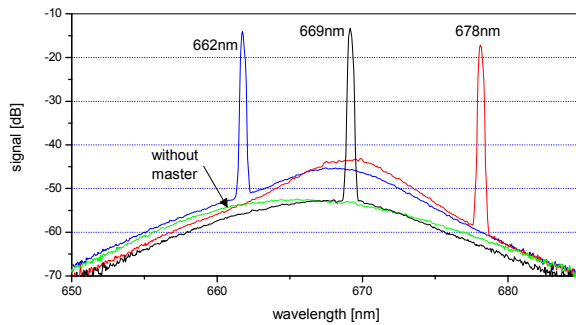


# Serval Series: TEC-400-670-0500



## Description:

The TEC-400-670-0500 Tapered Amplifier is designed for the amplification of diode lasers up to 500mW. This system is designed as a cost effective solution for customers who already use their own external cavity diode laser system. It is an easy to handle add-on unit for upgrading the output power by up to a factor of hundred.



**lower wavelength limit 662nm**

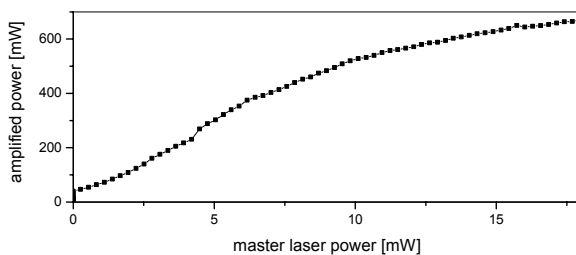
power: 400mW

**center wavelength 670nm**

power: 600mW

**upper wavelength limit 678nm**

power: 300mW

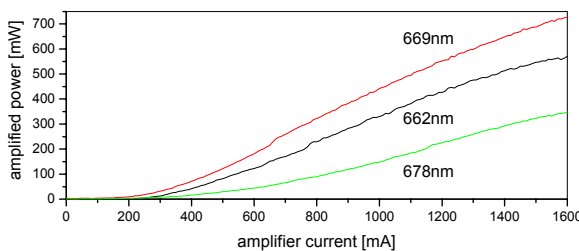


**amplified power vs. master power:**

wavelength: 670nm

constant slave current: 1.6A

master power for saturation: >12mW



**output power characteristic:**

wavelength: 662nm / 669nm / 678nm

master power: 15mW

<b>Specification:</b> output power	> 500mW with master power > 12 mW
beam profile	elliptic 1:2
mode profile M <sup>2</sup>	M <sup>2</sup> < 1.7, depending on master laser
beam divergence	< 2 mrad
polarization	linearly, > 100:1
linewidth	depending on master laser
side mode suppression	depending on master laser
coarse tuning range	> 15nm

Document: <http://data.sacher-laser.com/serval/se06700500.pdf>

Note: Specification are subject to change without further notice

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