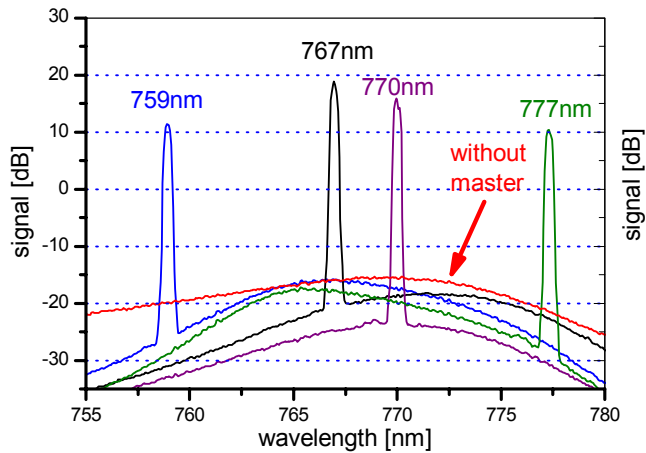


Serval Series: TEC-400-770-1500



Description:

The TEC-400-770-1500 Tapered Amplifier is designed for the amplification of diode lasers up to 1000mW. 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 759nm

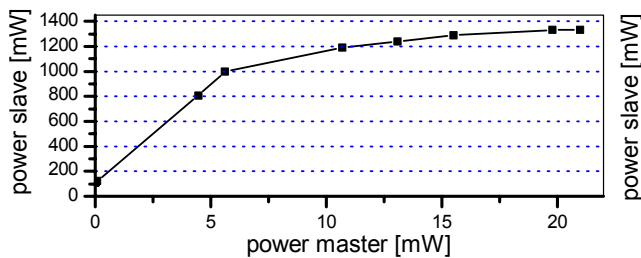
power: 800mW

center wavelength 767...770nm

power: 1400mW

upper wavelength limit 777nm

power: 900mW

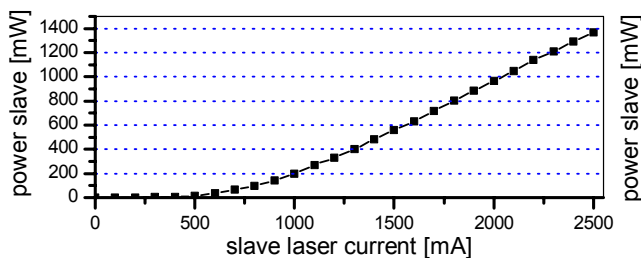


amplified power vs. master power:

wavelength: 770nm

constant slave current: 2.5A

master power for saturation: >12mW



output power characteristic:

wavelength: 770nm

master power: 12mW

Specification:	output power	> 1400mW with master power > 12 mW
	beam profile	circular
	mode profile M ²	M ² < 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	> 18nm

Document: <http://data.sacher-laser.com/serval/se07701500.pdf>

Note: Specification are subject to change without further notice

