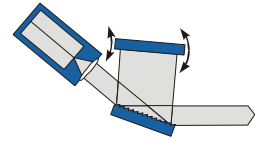
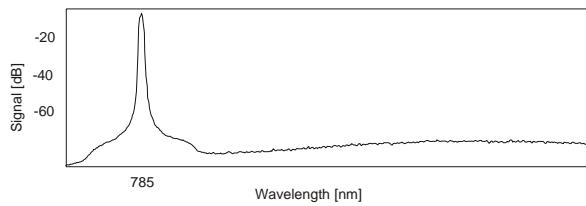


Lion Series: TEC-500-795-20



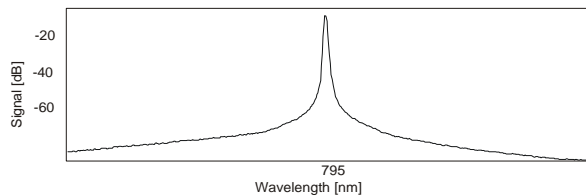
Description:

The TEC-500-795-20 is an External Cavity Diode Laser in Littman Configuration. It is designed for applications which require high modehop free tuning range, high output power as well as low linewidth like Rb spectroscopy.



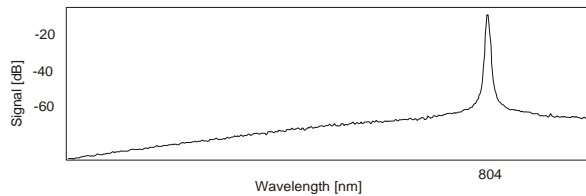
Wavelength Lower Border of the Tuning Range

Wavelength: 785nm
Power: 20mW



Wavelength Gain Maximum

Wavelength: 795nm
Power: 25mW



Wavelength Upper Border of the Tuning Range

Wavelength: 804nm
Power: 23mW

Specification:	output power	>40mW, typ. >20mW at gain maximum
	beam profile	elliptic, typ. ratio = 1:4
	polarization	linearly, typ. > 100:1
	linewidth (50ms)	< 1MHz, typ. < 0.5MHz
	linewidth (20s)	< 5MHz, typ. < 2MHz
	side mode suppression	> 40dB, typ. > 45dB
	coarse tuning range	> 8nm
	fine tuning range (total)	> 0.5nm = 150GHz
	fine tuning range (modehop free)	> 10GHz, typ. > 50GHz
	frequency modulation (@ 10 GHz amplitude)	> 0.5kHz
	long term drift (24 h)	typ: 300MHz

Document: <http://data.sacher-laser.com/LMN/LN079520.pdf>
 Note: Specification are subject to change without further notice.

