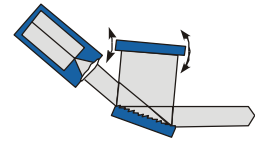
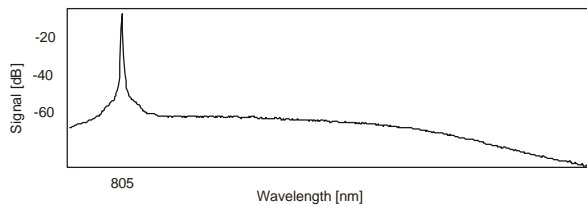


Lion Series: TEC-500-820-20



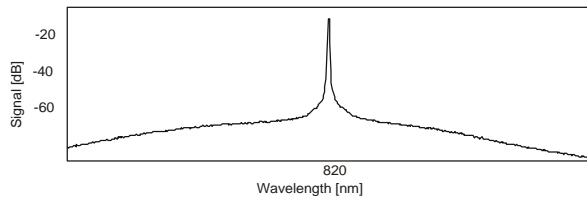
Description:

The TEC-500-820-20 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.



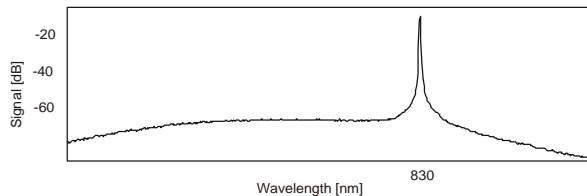
**Wavelength
Lower Border of the Tuning Range**

Wavelength: 805nm
Power: 20mW



**Wavelength
Gain Maximum**

Wavelength: 820nm
Power: 30mW



**Wavelength
Upper Border of the Tuning Range**

Wavelength: 830nm
Power: 23mW

Specification:	output power	>20mW, typ. >30mW 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	> 20nm
	fine tuning range (total)	> 0.5nm = 200GHz
	fine tuning range (modehop free)	> 5-30GHz, typ. > 50GHz
	frequency modulation (@ 10 GHz amplitude)	> 0.5kHz
	long term drift (24 h)	typ: 300MHz

Document: <http://data.sacher-laser.com/LMN/LN082020.pdf>
 Note: Specification are subject to change without further notice.

