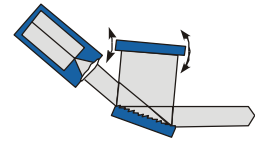
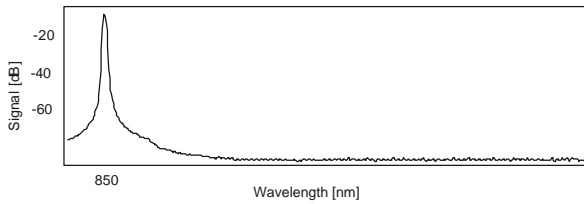


Lion Series: TEC-500-870-20



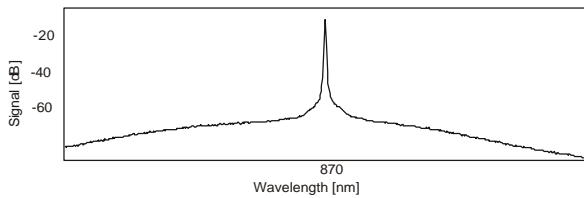
Description:

The TEC-500-870-20 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.



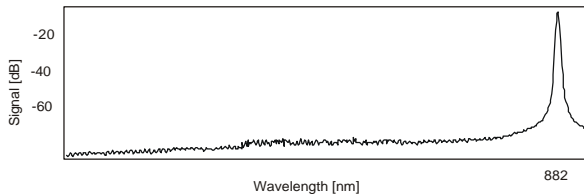
**Wavelength
Lower Border of the Tuning Range**

Wavelength: 850nm
Power: 18mW



**Wavelength
Gain Maximum**

Wavelength: 870nm
Power: 25mW



**Wavelength
Upper Border of the Tuning Range**

Wavelength: 882nm
Power: 18mW

Specification:	output power	>18mW, typ. >25mW 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	> 25nm
	fine tuning range (total)	> 0.5nm = 200GHz
	fine tuning range (modehop free)	> 8GHz, typ. > 20GHz
	frequency modulation (@ 10 GHz amplitude)	> 0.5kHz
	long term drift (24 h)	typ: 300MHz

Document: <http://data.sacher-laser.com/LMN/LN087020.pdf>
 Note: Specification are subject to change without further notice.

