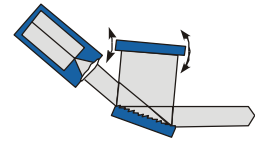
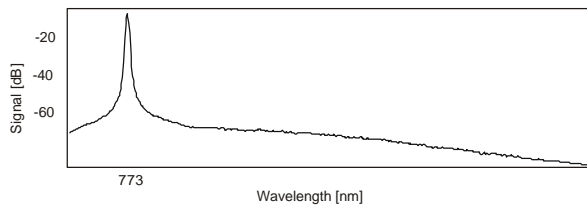


Lion Series: TEC-500-780-20



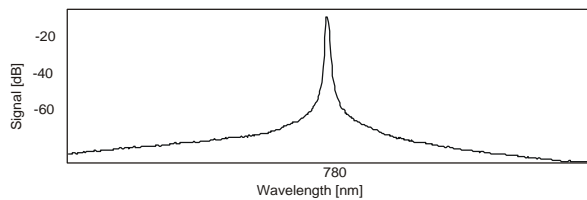
Description:

The TEC-500-780-20 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.



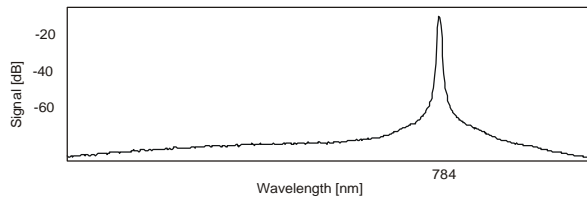
**Wavelength
Lower Border of the Tuning Range**

Wavelength: 773nm
Power: 22mW



**Wavelength
Gain Maximum**

Wavelength: 780nm
Power: 28mW



**Wavelength
Upper Border of the Tuning Range**

Wavelength: 784nm
Power: 20mW

Specification:	output power	>20mW, typ. >25mW at gain maximum
	beam profile	elliptic, typ. ratio = 1:3
	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 = 250GHz
	fine tuning range (modehop free)	> 20-50GHz, typ. > 100GHz
	frequency modulation (@ 10 GHz amplitude)	> 0.5kHz
	long term drift (24 h)	typ: 300MHz

Document: <http://data.sacher-laser.com/LMN/LN078020.pdf>
 Note: Specification are subject to change without further notice.

