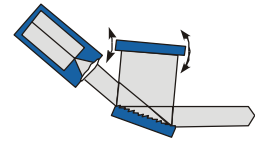
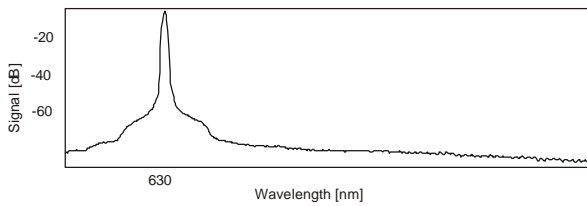


Lion Series: TEC-500-635-05



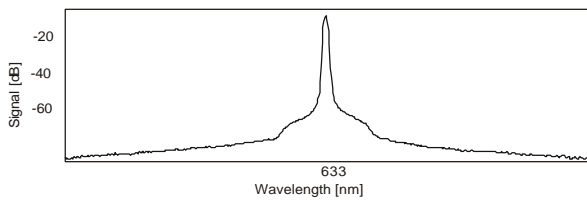
Description:

The TEC-500-635-05 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 Interferometry, HeNe substitute, Iodine spectroscopy.



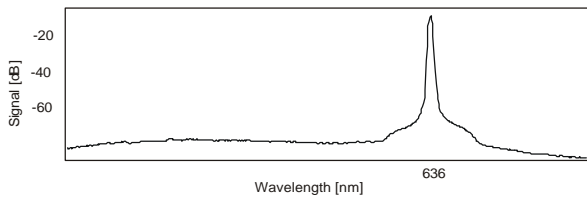
**Wavelength
Lower Border of the Tuning Range**

Wavelength: 630nm
Power: 4mW



**Wavelength
Gain Maximum**

Wavelength: 633nm
Power: 5mW



**Wavelength
Upper Border of the Tuning Range**

Wavelength: 636nm
Power: 5mW

Specification:	output power	>4mW, typ. >6mW 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	> 5nm
	fine tuning range (total)	> 0.4nm = 300 GHz
	fine tuning range (modehop free)	> 15GHz, typ. > 50GHz
	frequency modulation (@ 10 GHz amplitude)	> 0.5kHz
	long term drift (24 h)	typ: 300MHz

Document: <http://data.sacher-laser.com/LMN/LN063505.pdf>
 Note: Specification are subject to change without further notice.

