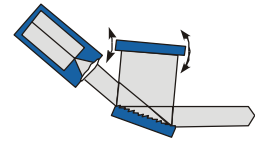
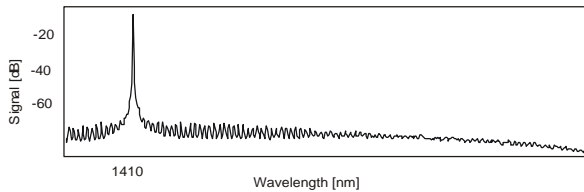


Lion Series: TEC-500-1450-03



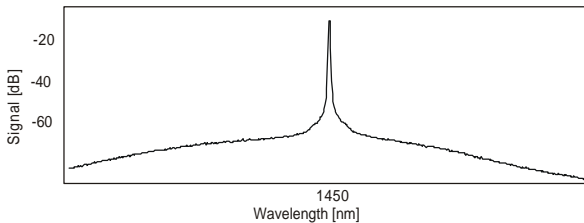
Description:

The TEC-500-1450-03 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 for telecommunication.



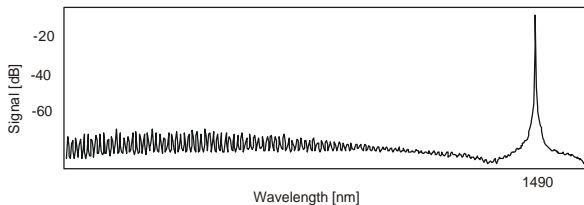
**Wavelength
Lower Border of the Tuning Range**

Wavelength: 1410nm
Power: 3mW



**Wavelength
Gain Maximum**

Wavelength: 1450nm
Power: 4mW



**Wavelength
Upper Border of the Tuning Range**

Wavelength: 1490nm
Power: 3mW

Specification:	output power	>3mW, typ. >4mW at gain maximum
	beam profile	almost round
	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	> 70nm
	fine tuning range (total)	> 0.6nm = 150GHz
	fine tuning range (modehop free)	> 10-40GHz, typ. > 80GHz
	frequency modulation (@ 10 GHz amplitude)	> 0.5kHz
	long term drift (24 h)	typ: 300MHz

Document: <http://data.sacher-laser.com/LMN/LN0145003.pdf>
 Note: Specification are subject to change without further notice.

