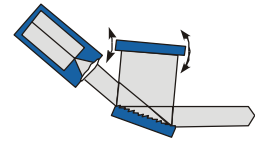
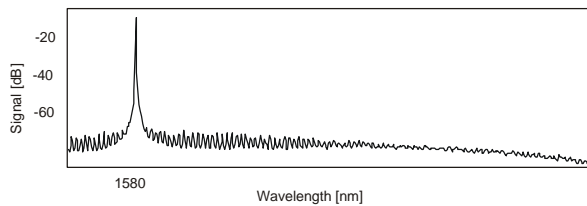


Lion Series: TEC-500-1630-03



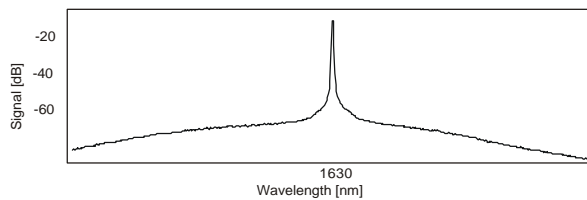
Description:

The TEC-500-1630-03 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 or Methane spectroscopy.



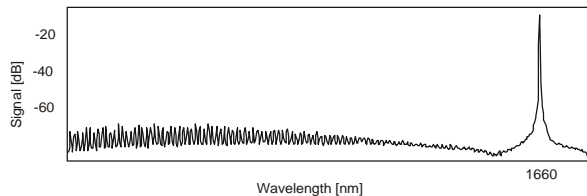
**Wavelength
Lower Border of the Tuning Range**

Wavelength: 1580nm
Power: 3mW



**Wavelength
Gain Maximum**

Wavelength: 1630nm
Power: 4mW



**Wavelength
Upper Border of the Tuning Range**

Wavelength: 1660nm
Power: 3mW

Specification:	output power	>3mW, typ. >5mW 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)	> 0.8nm = 150GHz
	fine tuning range (modehop free)	> 20-30GHz, typ. > 80GHz
	frequency modulation (@ 10 GHz amplitude)	> 0.5kHz
	long term drift (24 h)	typ: 300MHz

Document: <http://data.sacher-laser.com/LMN/LN0163003.pdf>
 Note: Specification are subject to change without further notice.

