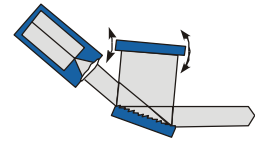
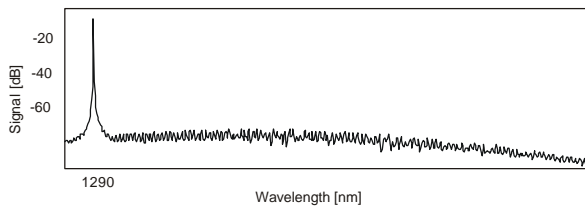


# Lion Series: TEC-500-1310-05



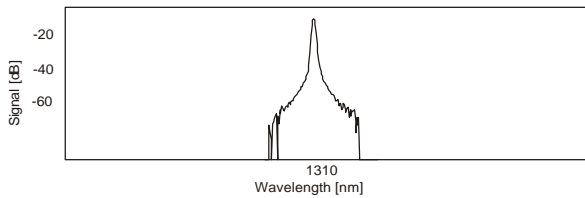
**Description:**

The TEC-500-1310-05 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 in the Telecommunication field and HF spectroscopy.



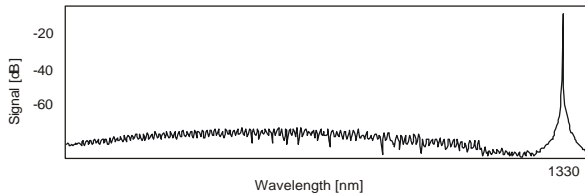
**Wavelength  
Lower Border of the Tuning Range**

Wavelength: 1290nm  
Power: 4mW



**Wavelength  
Gain Maximum**

Wavelength: 1310nm  
Power: 7mW



**Wavelength  
Upper Border of the Tuning Range**

Wavelength: 1330nm  
Power: 5mW

<b>Specification:</b>	output power	>3mW, typ. >5mW at gain maximum
	beam profile	almost round
	polarization	linearly, > 100:1
	linewidth (50ms)	< 1MHz, typ. < 0.5MHz
	linewidth (20s)	< 5MHz, typ. < 2MHz
	side mode suppression	> 40dB, typ. > 45dB
	coarse tuning range	> 30nm
	fine tuning range (total)	> 0.6nm = 150GHz
	fine tuning range (modehop free)	> 10-30GHz, typ. > 50GHz
	frequency modulation ( @ 10 GHz amplitude )	> 0.5kHz
	long term drift ( 24 h )	typ: 300MHz

Document: <http://data.sacher-laser.com/LMN/LN131005.pdf>  
 Note: Specification are subject to change without further notice.

