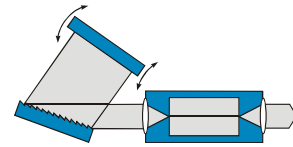
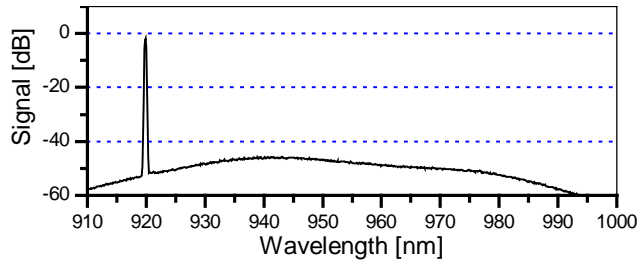


Lion Series: TEC-520-960-100



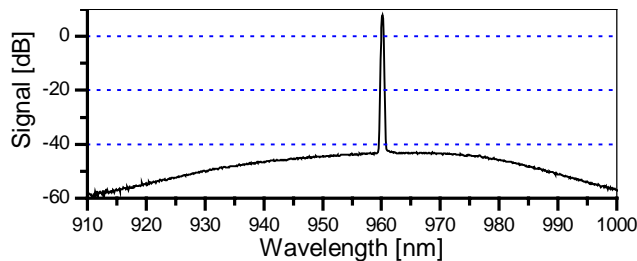
Description:

The TEC-520-960-100 is an External Cavity Diode Laser in Littman Configuration. It is designed for applications which require high output power as well as low linewidth like Raman spectroscopy, Nd:Yag, Nd:Ylf laser seeding, frequency doubling.



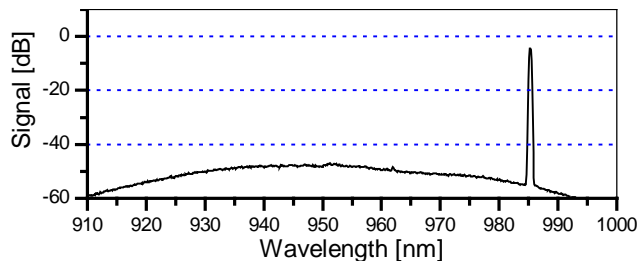
lowest wavelength

wavelength: 920nm
power: 50mW



center wavelength

wavelength: 960nm
power: 105mW



highest wavelength

wavelength: 985nm
power: 50mW

Specification:	output power	>100mW, typ. >105mW at gain max.
	beam profile	elliptic, typ. ratio = 1:3
	polarization	linearly, > 20:1
	linewidth (50ms)	< 1MHz, typ. < 0.5MHz
	linewidth (20s)	< 5MHz, typ. < 2MHz
	side mode suppression	> 40dB, typ. > 45dB
	coarse tuning range	> 30nm, typ. > 45nm
	fine tuning range (total)	> 0.5nm = 250GHz
	fine tuning range (modehop free)	> up to 80GHz (depending on wavelength)
	frequency modulation (@ 10 GHz amplitude)	> 0.5kHz
	long term drift (24 h)	typ: 300MHz

Document: <http://data.sacher-laser.com/Lion/Li0960100.pdf>

Note: Specification are subject to change without further notice.

