



US-Patent 6,297,066
US-Patent 6,869,483



*Designed for
Raman - Spectroscopy*

Cougar

High Powered Littrow
External Cavity Diode Laser



 **More Power ...**
with fiber coupling

Side Mode Supression

Cougar with Fiber Coupling

Typical Values:

Free Beam: Power = 1200 mW

Multimode Fiber: Power = 1000 mW

Specifications

Output Power	Free Beam Version	> 200mW .. 1000 mW (depending on wavelength)
	Multimode Fiber (100 μ m)	> 100mW .. 500 mW (depending on wavelength)
Available Wavelengths		640*, 680*, 740*, 765, 785 , 810, 830, 850, 940, 980, 1060 nm or customer specified
Wavelength Precision		0.1 nm
Linewidth		multi mode, typ. 1GHz
Side Mode Supression		> 40 dB
Beam Waist (2 w ₀)		ca. 3.5 mm x 2.5 mm or fiber coupled
Beam Pointing Stability		< 50 μ rad (2 min) or fiber coupled
Power Stability		< 1% (2 min)
Output Polarization		p - polarized or s- polarized (depending on wavelength)
Weight		Laser Head: 1.0 kg, Power Supply: 4.5 kg
Laser Head Dimension (W x H x L)		80 x 65 x 180 mm

* reduced output power in this wavelength region

Application

Please contact us

Raman Spectroscopy

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