

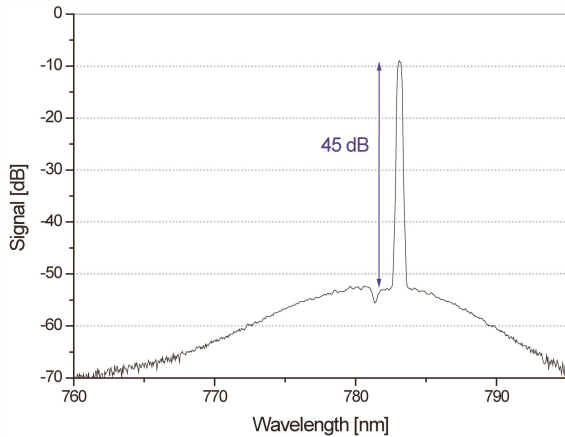
Cheetah

Diode Laser Mount
Designed for DFB and DBR Lasers
Low Noise, High Thermal Stability

Industrial Lasers



Optical Spectrum



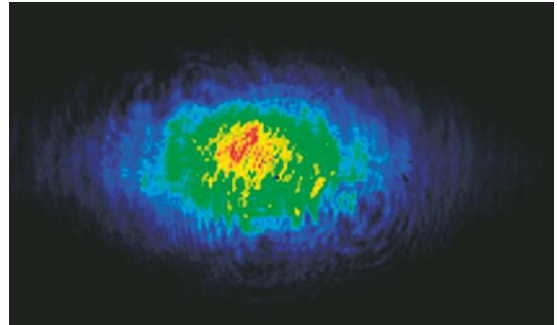
Typical Values:

100mW at 784nm

100mW at 1064nm

80mW at 1083nm

Cheetah Beam Profile



Specifications

Output Power	Free Beam Version	> 50 .. 150 mW
Available Wavelengths		763, 773, 780, 784, 860, 923, 1064, 1083 nm 1338, 1580, 1665, 1742, 1872, 2004, 2330 nm
Wavelength Precision		0.1 nm
Linewidth		< 10MHz, typ. 5MHz
Side Mode Supression		> 45 dB
Beam Waist (2 w ₀)		ca. 3.5 mm x 2.5 mm or fiber coupled
Power Stability		< 0.1% (2 min)
Output Polarization		p - polarized (763 .. 784nm), s - polarized (860 .. 2800nm)
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
Detailed Specifications		http://data.sacher-laser.com/cheetah/cheetahspecs.pdf

Application

*Automated DFB
Measuring Laser
System*

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