



PRODUCT INFORMATION

Fabry Perot Diode Lasers, Single Mode

Fabry Perot Diode Lasers, Single Mode

Introduction:

The laser chip is grown by MOVPE of compound semiconductor material. The optical gain is provided by double heterostructure which include several Quantum Wells for electronic confinement. Typical emitter width ranges from 3 μm to 7 μm . The surfaces of the laser chip act as cavity mirrors due to the difference of the refractive index of the laser material and the surrounding air. These optical surfaces are protected by thin optical films for lifetime purposes.

Available wavelength range is from 375nm .. 440nm, 635nm .. 1710nm. Output power range is from 1mW .. 200mW. The most common types of laser mount are 5.6mm TO-can and 9mm TO-can.

Products including Fabry Perot Diode Lasers:

Fabry Perot diode lasers are included within the following products:

- CAT Series CW: Laser pointer, continuous wave operation
- CAT Series PS: Laser pointer, nanosecond operation
- CHEETAH FPD: Temperature stabilized laser system
- Anti-reflection coated diode lasers

Manufacturing Capabilities:

Sacher Lasertechnik operates a full technology line for the assembly of Fabry Perot diode lasers.

CONTACT & LEGAL



For further information about the product or support requests, please contact your local person in charge.

+ 49 (0)6421 305-0 Germany
+ 1 800 352 3639 United States, Canada

Sacher Lasertechnik GmbH
Rudolf-Breitscheid-Str. 1-5
35037 Marburg
Germany

Sacher Lasertechnik LLC.
5765 Equador Way
Buena Park, CA 90620
United States



Copyright Sacher Lasertechnik Group 2010
<http://www.sacher-laser.com>
All Rights Reserved.

Sacher Lasertechnik and the Sacher Lasertechnik logo are trademarks or registered trademarks of Sacher Lasertechnik GmbH - Germany, other countries, or both.

The Lasers Systems Lynx™, Tiger™, Cheetah™, Lion™, Cougar™, Jaguar™, Serval™, Serval Plus™ and CAT™ are trademarks or registered trademarks of Sacher Lasertechnik GmbH - Germany, other countries, or both.

Other company, product and service names may be trademarks or service marks of others. References in this publication to Sacher Lasertechnik products or services do not imply that Sacher Lasertechnik intends to make them available in all countries in which Sacher Lasertechnik operates.

