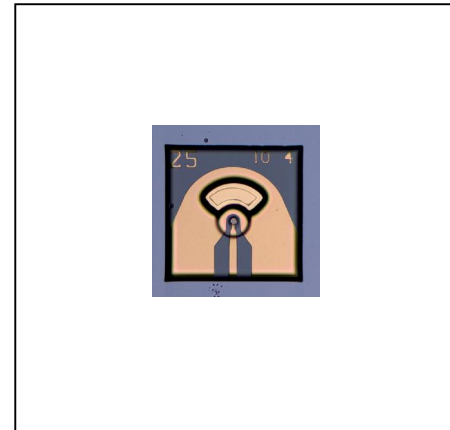


Ultra High Speed 850 nm VCSEL Chip (up to 25 Gbit/s)

Product Code: V25-850C



Sample image only. Actual product may vary.

Product Description

These high-speed top-emitting GaAs-based vertical cavity surface emitting laser (VCSEL) chips are available as engineering samples for use in development and evaluation of optical communications systems.

Preliminary

Features

- Both single- and multi-mode VCSELs available
- Size ~550 μm x 550 μm (height ~150-200 μm)
- High temperature stability 10-100 $^{\circ}\text{C}$
- Fabrication available for your pad layout design
- Custom VCSEL arrays available upon request

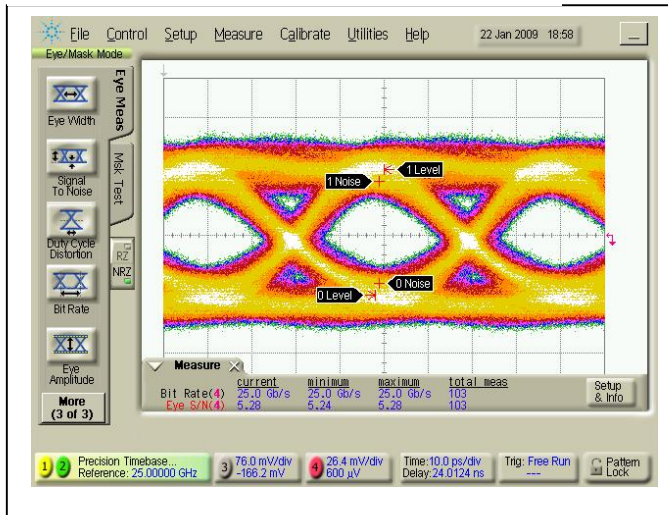
Applications

- Fiber optics systems tests
- Research and development

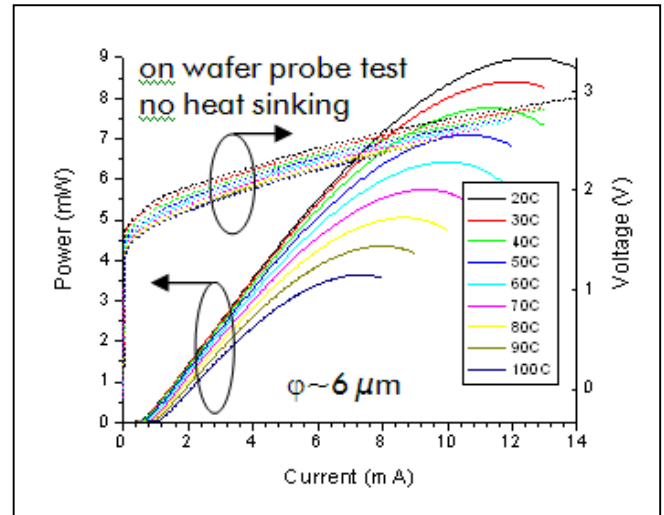
Parameter	Typical	Notes
Emission Wavelength	850 nm	available from 835 – 865 nm
Wall Plug Efficiency	> 40%	at < 6 mA bias and < 80 $^{\circ}\text{C}$
Differential L-I slope Efficiency	> 70%	
Peak Output Power	8 mW	
Threshold Current	< 1 mA	up to 100 $^{\circ}\text{C}$
Rise Time (20% to 80%)	< 10 ps	

All product specifications and descriptions are subject to change without notice.

Eye Diagram



L-I Diagram



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