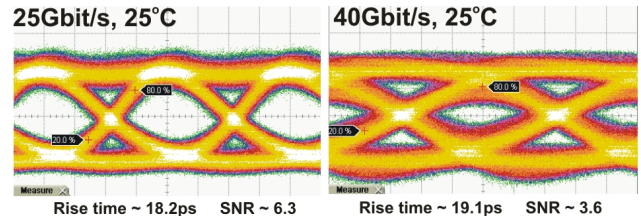
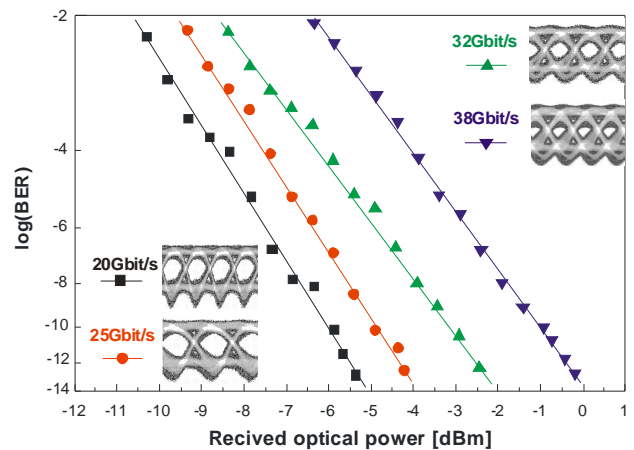


Ultrahigh Speed 850 nm VCSEL Chips (up to 40 Gbit/s)



Product Code: V40-850C chip



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.

Features

- 3 dB bandwidth > 20 GHz
- Both single- and multi-mode VCSELs available
- Size ~550 μm x 550 μm (height ~100-200 μm)
- High temperature stability 10-100 $^{\circ}\text{C}$
- Fabrication available for your pad layout design

Applications

- Fiber optics systems tests
- Research and development

Parameter	Typical	Notes
Emission Wavelength	850 nm	
Wall Plug Efficiency	> 40%	
Differential Efficiency	> 70%	
Peak Output Power	8 mW	Multi-mode version
Threshold Current	< 1 mA	
Rise Time (20% to 80%)	< 10 ps	

Please contact our sales department for additional information and to receive a quotation: sales@v-i-systems.com