



# Product Brief

## Product Code

HC-VL0085-00-01

## Description

The HC-VL0085-00-01 25 Gb/s Oxide VCSEL is a 150- $\mu\text{m}$  thick, 850-nm wavelength, GaAs based Vertical Cavity Surface Emitting Laser (VCSEL), designed for high-speed optical data communication applications. The Toptrans VCSEL is engineered for superior dynamic performance and optical power over temperature. The VCSEL has both an anode contact and a cathode contact on the top side of the chip for convenient wire bonding. The VCSEL produces a circularly symmetric, narrow beam which, with appropriate lenses, enables the optical power to be coupled efficiently into 50/125 $\mu\text{m}$  and 62.5/125 $\mu\text{m}$  multi-mode fiber.

Toptrans' VCSELs are extensively tested to insure performance, wear out lifetime, and wet-humid (85%RH/85°C) operating life in non-hermetic environments.

Toptrans' VCSELs are shipped on medium tack blue tape 6-inch rings.

## Features

- ◆ 850-nm wavelength range
- ◆ Data rates from DC to 25 Gb/s
- ◆ High power output
- ◆ Suitable for use in non-hermetic environment

\*Specifications are subject to change without notice.

\*Screening per customer-specified reject limit is available.