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This paper provides a comprehensive overview of VCSELs, explaining their basic principles and two commonly used structures.

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Vertical External Cavity Surface Emitting Lasers (VECSELs) XIV, edited by Marcel Rattunde, Proc. of SPIE Vol. 13346, 1334601 2025 SPIE · 0277-786X · doi: 10.1117/12.3068603 The papers in this

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vertical cavity surface emitting laser

A vertical cavity surface-emitting laser (VCSEL) is a type of laser that offers advantages such as low power consumption, circular output beam, and on-wafer testing capability.

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Vertical-Cavity Surface-Emitting Lasers Overview

VCSEL plays an important role in the field of optical communications. It is a light source used in low-speed and 100G short-distance transmission, providing low-cost, low-power and high

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The vertical cavity design offers important advantages over other surface-emitting laser designs. The unique topology of a vertical cavity facilitates large-scale processing, on-wafer testing and pre

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