

VCSEL package with pigtail



Overview

SKU: FCVL Agiltron offers a variety of fiber pigtailed vertical cavity surface emitting lasers (VCSELs) in ready-to-use fiber pigtail-coupled packages.

Key Takeaways

The 1060 nm Vertical Cavity Surface Emitting Laser (VCSEL) is packaged in compact coaxial housing with single mode fiber pigtail. VCSEL-1064-SM is designed for fiber sensing, laser transmitter and optical communication applications. It requires very low drive current and can be temperature. Bandwidth10's 1654 nm Tunable VCSEL Pigtail TO with Isolator is part of a family of lasers based on the innovative High Contrast Grating (HCG) single mode 1654 nm VCSEL. Using the HCG as a tunable mirror leads to a wafer-scale, low cost fabrication process with simple voltage-controlled wavelength. Human Body Model, with 3 pulses forward/reverse applied to the signal leads. Failure is defined as a measurable >10%) change in a key parameter, optical output power for the tunable VCSEL. The LD+/LD- and Vt- of VCSEL TO fails at 350 Volts and <50 Volts respecDifferent systems need different structures, materials, and integration methods, which is why Ace Photonics offers VCSEL die, packaged devices, modules, and custom OEM support for demanding photonics applications. A vcsel package is not only there to protect the chip. It also helps with electrical.

Article Content

Fiber Coupled VCSEL – Multimode Fiber

SKU: FCVL Agiltron offers a variety of fiber pigtailed vertical cavity surface emitting lasers (VCSELs) in ready-to-use fiber pigtail-coupled packages. Our packaging options are fully customizable, including

850nm VCSEL Diode TOSA with Pigtail

We offer a diverse range of products, including 850nm VCSEL Diode TOSA with Pigtail, SFP, QSFP, and CWDM transceivers, designed to ensure superior

1060nm VCSEL, SM, w/ built-in TEC

The 1060 nm Vertical Cavity Surface Emitting Laser (VCSEL) is packaged in compact coaxial housing with single mode fiber pigtail. VCSEL-1064-SM is

1654 nm Tunable VCSEL Pigtail TO with Isolator

The HCG VCSEL is co-packaged with a thermo-electric cooler for temperature and wavelength stabilization in a 7-pin TO package with permanently attached fiber.

1654 nm Tunable VCSEL in TO Package with Fiber Pigtail v1.3 BW10

Pigtail Bandwidth10's BW10-1654-T-PS is part of a family of lasers based on the innovative High Contrast Grating (HCG) single mode 1654 nm VCSEL.

Fiber Coupled Fast Tunable Laser MEMS/VCSEL –

The TVCS series of fiber-coupled tunable lasers combines an electrically movable MEMS mirror with a Vertical Cavity Surface Emitting Laser (VCSEL), providing a

1550 nm Tunable VCSEL Pigtailed TOSA

The HCG VCSEL is co-packaged with a thermo-electric cooler for temperature and wavelength stabilization in a 7-pin TOSA package with permanently attached fiber.

Pigtail Fiber: The Backbone of Modern Optical Networks

Pigtail Fiber: The Backbone of Modern Optical Networks - A Comprehensive Guide for 2025 In the era of hyperconnectivity, where data centers, 5G networks, and AI-driven applications

1550 nm Tunable VCSEL in TO Package with TEC

The HCG VCSEL is co-packaged with a thermo electric cooler for wavelength stabilization in a 7 pin TO56 package. It offers modulation speeds up to 10 Gbps

Datasheet

Packaging options are fully customizable, including integrated isolator, MEMS attenuator, and wavelength tunable VCSELS in a fiber coupled co-axial assemblies. VCSEL devices may also be

BW10-1550-T-PxFA

BW10-1550-T-PxFA Description: with fiber pigtail Bandwidth10"s BW10-1550-T-PxFA is part of a family of lasers based on the innovative High Contrast Grating (HCG) single mode 1550 nm VCSEL.

850nm VCSELS | Ushio America, Inc.

Units built with fiber pigtails are available terminated with optical connectors. Specialty fiber sizes may be available upon request. VCSEL devices operating at

TUNABLE MEMS HCG-VCSEL SOLUTIONS

BW10-1060-T-PxFA, the Swept-tunable VCSEL pigtailed-TOSA at 1060nm with PM fiber, the ideal swept source for Optical Coherence Tomography (OCT), Medical Imaging, Optical Sensing,

Fiber Coupled Fast Tunable Laser (VCSEL, 1030, 1060,

Fiber Coupled Fast Tunable Laser MEMS/VCSEL – 1550 nm 15nm tuning range, linewidth 300MHz, 100kHz tuning speed, 8.5GHz modulation rate \$642+ SKU:

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