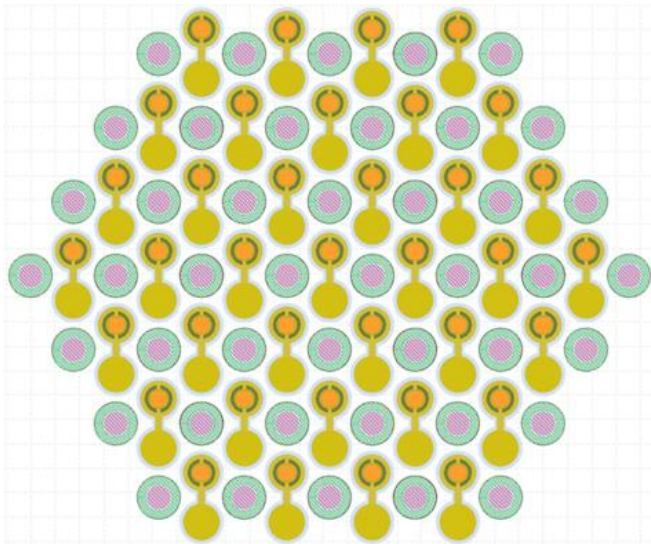


50G NRZ VCSEL for 980nm 1.6T Application

The PicoJool 50G NRZ 980nm VCSEL utilizes a new material system, 980nm, for superior reliability in nextgen hyperscale and data center environments. Industry leading performance enables competitive cost and performance in 1.6T transceiver solutions.

The PicoJool 50G NRZ vertical cavity surface emitting laser (VCSEL) is an ultra-high-speed device for use in QSFP, OSFP, transceiver products for PCIe, Ethernet, Infiniband and hyperscale AI system applications.



Key Features

- Available as “32” channel arrays
- Operating temperature range 10°C to 75°C
- Operating current lowest in industry, ~5mA
- 70um and 125um pitch options
- Flip-chip bondable bottom-emitting
- Passivated device suitable for non-hermetic applications

Applications

- High speed short reach optical communication links for Scale Up networks
- Quad channel fiberoptic transceivers and active optical cables (AOC), 800G
- Eight to Sixteen channel fiberoptic transceivers and active optical cables (AOC), 800G, 1.6T, QSFP, OSFP, OSFP-XD

Standards Compliance

- Telcordia GR-468
- RoHS 10

Ordering Information:

For more information on this or other products and their availability, please contact info@picojool.com

Product Description	Part Number
Laser die, VCSEL, 50G, NRZ. self-hermetic, "32" array, 70um pitch	V-50G-32hex-NRZ-980-BE-70-D
Laser die, VCSEL, 50G, NRZ. self-hermetic, "32" array, 125um pitch	V-50G-32hex-NRZ-980-BE-125-D

Shipping method

Known good dice (KGD) will be shipped to order using the following packing methods:

- VCSELs are shipped on blue tape on 6" plastic grip rings in ESD prevention bags.



Worldwide
www.picojool.com

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Product specifications and descriptions in this
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