

200G PAM4 VCSEL for 980nm 1.6T Application

The PicoJool 200G PAM4 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 200G 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

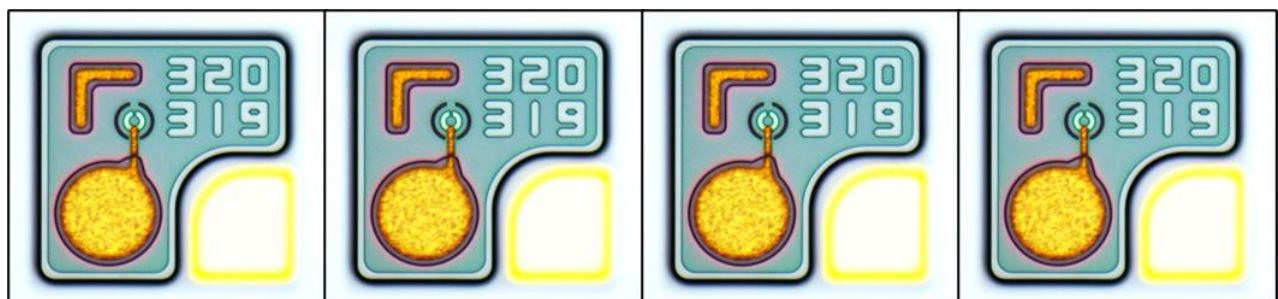
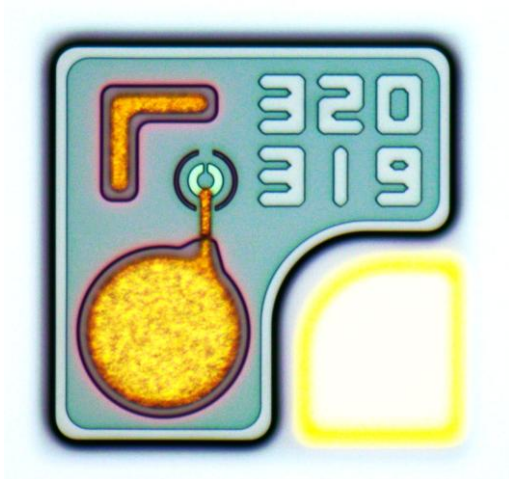
- Available as 1x4 arrays
- Operating temperature range 10°C to 75°C
- Operating current lowest in industry, ~5mA
- Meets standard 250um pitch, MPO compatible
- Passivated device suitable for non-hermetic applications

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, 200G, PAM4. self-hermetic, 1x4 array	V-200G-1x04-PAM4-980-TE-250-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

PicoJool Inc.
380 Portage Ave.
Palo Alto, CA 94306

© 2026 PicoJool Inc
Product specifications and descriptions in this
document are subject to change without notice