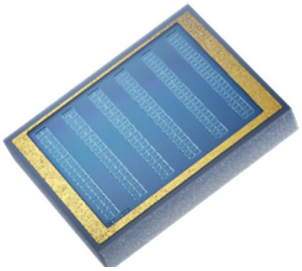
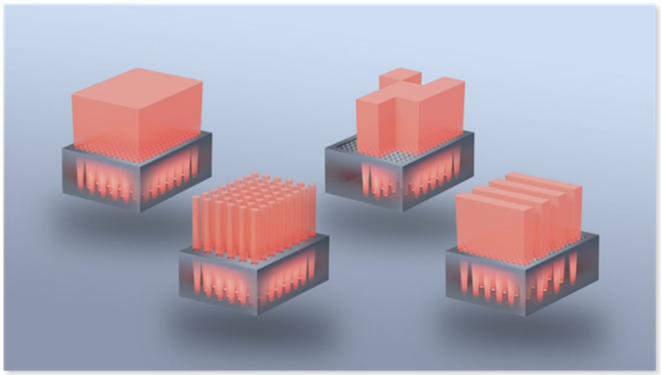
VCSEL WITH INTEGRATED BACKSIDE OPTICS

« SELLING » STATEMENT:

ViBO is based on the idea to integrate all the functions, provided nowadays by an extra package, directly into the VCSEL chip.



*VCSEL with integrated Backside Optics - ViBO (1.5mm*1.2 mm footprint, 0.6 mm height)*



Tailored and addressable beam profiles

KEY FEATURES

Fully new product family based on the ViBO technology
Adapted for 3D sensing applications

Significantly reduced size:
Minimised footprint and height (reduced by factor 2-5)

Major advantages

- Lenses directly etched into the GaAs
- Easy to mount on the PCB or driver IC with preformed contacts
- Tailored illumination and addressable zones
- Shrinkage of the volume of the illumination module by a factor 10x
- Inherently eye-safe

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