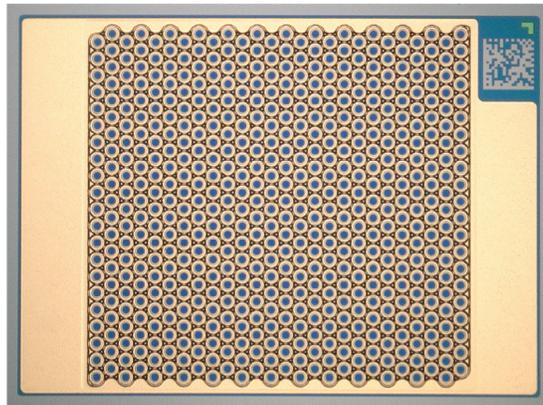


HIGH POWER VCSEL ARRAY

VGP00020v5

Coherent's multimode high power VCSEL arrays are designed to meet stringent specifications for a broad range of optical 3D sensing applications. This product is optimized for high volume consumer and automotive applications. The dual bond pad allows reduction of impedance to enable short rise and fall times for direct time of flight (dTOF).



FEATURES

- High efficiency and reliability
- Multi transverse mode emission
- Doughnut shaped, symmetrical farfield
- Non-hermetic operation
- Surface mountable
- Suitable for Time of Flight, flood illumination
- Available in high volume

APPLICATIONS

- High volume time-of-flight (ToF) 3D sensing
- Illumination
- Industrial

Product Description

Parameter 25 °C, 0.5 ms pulse, 2% duty cycle	Typical	Unit
Operating Current	6.0	A
Operating Power	5.25	W
Operating Voltage	2.25	V
Power Conversion Efficiency	39	%
Chip Mechanical Dimensions	980 x 730	μm^2