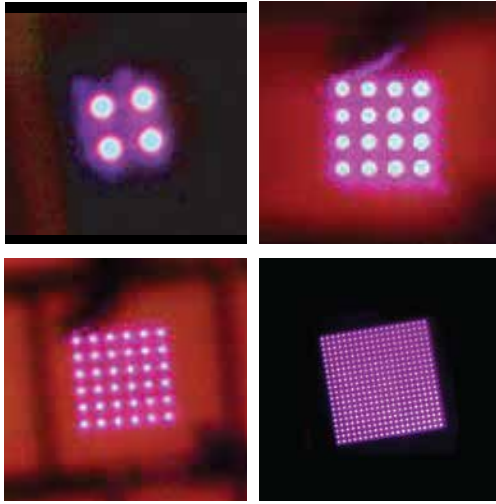


VCSEL LASER DIODE ARRAYS



From the world's leading producer of laser diodes, Lasertel's VCSEL arrays are a new generation of laser diodes for a range of structured light and illumination applications in the automotive and consumer electronics industries.

KEY FEATURES:

- 800nm to 980nm
- High brightness illumination (Up to 12kW/cm²)
- Fast modulation capability
- Low speckle
- Pixelated laser source
- Advanced beam conditioning



Lasertel products proudly made in the USA
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YOUR LASER STARTS HERE

Lasertel laser diodes are manufactured in our US-based ISO 9001:2015, ISO 13485:2016 and AS9100C certified facility.

TYPICAL SPECIFICATIONS:

800nm - 980nm				
TYPICAL OPTICAL PARAMETERS (@25 °C)	Units	Typical Value		
Output Brightness	W/mm ²	1	10	120
Pulse Width	μs	n/a	5 to 1,000	<1
Wavelength	nm	800 to 980		
Operating Voltage	V	2.8		
Beam Divergence (1/e ²)	°	<30 (circular)		
Spectral Width	nm	<5		
Power Conversion Efficiency	%	35		

Patent Numbers: US 7,660,335 | US 7,864,825 | US 6,352,873 | US 6,295,307

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