



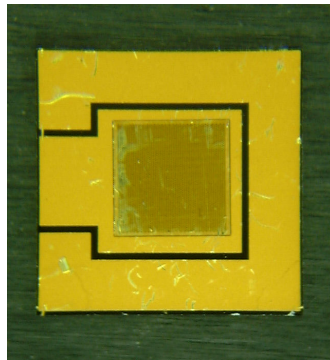
Princeton Optronics Introduces Innovative "VCSEL Pumplet" Array--Narrow Wavelength, Temperature Stable, 808nm 15 watts CW VCSEL Array

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Princeton Optronics Inc. introduces an innovative "pumplet" mini-array (2.8x2.8mm size) of 808nm VCSELs which is thermally stable, back reflection immune 808nm semiconductor laser (PO-CS1-15-W808) based on the vertical-cavity surface-emitting laser (VCSEL) technology. The device is composed of a 2-D planar VCSEL array mounted on a high thermal conductivity submount. It produces 15W output power in CW mode, with a narrow spectral width ($\sim 0.8\text{nm}$), thermally stable emission wavelength (0.06nm/K), and low beam divergence ($\text{NA} \sim 0.14$). The device is immune to back-reflections and offers very high reliability since it is not subject to catastrophic optical damage (COD). The device can also be operated in QCW or short-pulsed ($< 20\text{ns}$) mode. This "pumplet" laser is ideally suited for pumping miniature solid state lasers, medical devices, and direct illumination. Princeton Optronics is a manufacturer of high power VCSEL arrays at different wavelengths and has a line of products including several 808nm array products for many applications.

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Product Picture:



Chip size- 2.8x2.8mm

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