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A DPSS laser is a diode-pumped solid-state laser. It uses highly efficient laser diodes as the pump source, which results in a compact setup, long lifetime, and often excellent beam quality.

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All-solid-state technology, in the form of laser diodes and OPSLs, now offers an overwhelming list of technical, integration and economical advantages over ion and metal-vapor lasers.

Diode lasers are compact, solid-state devices that generate coherent light from semiconductor material. Learn more about it here.

This review article comprises milestone developments, characteristic challenges, and benefits, and summarizes the state of the art of high-power solid-state lasers with the focus on ...

Diode-pumped solid state lasers are much more compact and efficient than earlier solid state lasers. They are still in a state of rapid development in the mid 1990s, with their capabilities increasing rapidly.

The UV wavelengths have also been achieved by harmonic generators due to the advent of new non-linear materials and high beam quality obtained from diode-pumped lasers. Significant progress has ...

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