Image of military solid-state laser diode

From our vertically integrated laser diode manufacturing location in New Jersey, USA, we supply the pump diodes for all TRUMPF Group lasers including TruDisk, TruFiber and TruMicro lasers, and to ...

Mounted on a Stryker A1 8×8 armored vehicle, the DE M-SHORAD system features a 50-kW class solid-state laser. This laser is designed to disable or destroy aerial threats such as UAS,...

We work with system integrators and primes to develop MIL-qualified laser diodes for land, at sea, or in the air platforms that can survive the harshest environments for mission control operations.

High power lasers use a single crystal, but many laser diodes are arranged in strips (multiple diodes next to each other in one substrate) or stacks (stacks of substrates). This diode grid can be imaged ...

Laser weapons have come closer to the battlefield since our last report. The U.S. Armed Services are already testing 50 kW-class solid-state lasers in full-scale military weapon systems.

Then we will illustrate how low cost pump diodes are enabling new directions in D& S sensors, by describing two diode pumped, solid- state laser products currently under development at Thales UK.

These pictures are of a LambdaPro (Chinese made) 140 mW green DPSS laser. They show the replacement of the dead (0.8 Watt?) pump diode with a new 1.2 Watt version.

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Diode-pumped solid-state (DPSS) nanosecond (ns) lasers are based on the rare-earth ion-doped transparent gain media using laser diodes as the pumping source. Its application in PA imaging has ...

Traditionally the defense and aerospace industries have used laser diodes as pump sources for solid-state systems. This continues to be the largest application for laser diodes with the typical format ...

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