

Green High-Power Lasers for Photovoltaic Applications



Jenoptik is offering high power disk laser family JenLas disk G80/100, with pulsed 515 nm and M^2 of 7. The green lasers offer 80/100 W of output power with tunable pulse width capability from 300 to 1,000 ns but can also be set to have a constant pulse width. The tunable pulse width allows users to find the ideal processing parameters for their various applications. The lasers can cover a wide range of applications, with pulse energies up to 8 mJ and repetition rates up to 100 kHz. Typical applications for the JenLas disk G80/G100 include wafer annealing, selective emitter doping, drilling of copper foils, micro welding of copper contact materials, cutting of polyimide materials, engraving of copper materials, and others.

The OEM design of the JenLas disk G80 and JenLas disk G100 laser head at only 35.5 x 21 x 7 inches makes it ideal for integration into end user systems. Longterm approved thin disk laser technology and passively cooled pump diodes ensure a long life performance and low cost of ownership to the customer.

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