WHITEPAPERS

PHOTONICS MEDIA
THE PULSE OF THE INDUSTRY

DOWNLOAD FREE WHITE PAPERS

Sponsored by

DILAS
The diode laser company.

DPAL Pump System Exceeding 3kW at 766nm and 30 GHz Bandwidth

Due to their low quantum defect, diode pumped alkali metal vapor lasers (DPALs) offer the promise of scalability to very high average power levels while maintaining excellent beam quality. Research on DPALs has progressed to ever increasing power levels across multiple gain media species over the last years, necessitating pump power in the kW range. Each material requires a specific pump wavelength: near 852nm for cesium, 780nm for rubidium, 766nm for potassium, and 670nm for lithium atoms. The shorter pump wavelength below 800nm are outside the typical wavelength range for pump diodes developed for diode pumped solid state lasers (DPSS).

DOWNLOAD WHITE PAPER >>

Visit Photonics Media to download other white papers and learn more about the latest developments in lasers, imaging, optics, biophotonics, machine vision, spectroscopy, microscopy, photovoltaics and more.

http://photonics.com/WhitePapers.aspx