

Press Release



Introducing A New Product Pockels Cell Driver 3 kV + 10 kV

EOS Optronics GmbH has developed special modules for driving 10 kV and 3 kV Pockels cells.

The 10 kV and 3 kV Pockels cell drivers are our latest development in high voltage, high frequency, and fast switching power supplies. The driver modules are developed to safely and reliably provide the fast and high voltage switching required to drive the latest Pockels cells in high power laser applications.

Pockels cells can be used for regenerative amplifiers, pulse slicers (pulse picker), and other fast optical switching systems in laser systems. The devised driver electronics for the actual Pockels cell is specifically characterized such that even two Pockels cells of total load up to 12 pF can be connected and simultaneously driven with a fast slope of 9.5 kV in less than 11 ns, even at high laser repetition rates of up to 2 kHz. A variable and low-jitter impulse width from 80 ns to 2.3 μ s is achieved for the 10 kV unit.

For the 3 kV driver, typical pulse width of 8 ns for a load of up to 12 pF is achieved.

Further Information / Contact

- For further questions or interviews please contact:
Manfred Danner, General Manager, +49 991 344 788-130, manfred.danner@eos-optronics.com
Dr. Josef Koelbl, R&D Manager, +49 991 344-788-153, josef.koelbl@eos-optronics.com
- Download data sheet PCD: <http://www.eos-optronics.com/pcd>
- Download of this press release: <http://www.eos-optronics.com/news>