

Electronics for Pulse-Picking Applications

HVSW-03 high voltage switch

High voltage high repetition rate Pockels cell driver:

- Output voltage: up to 2kV
- Repetition rate: up to 1MHz@1.5kV
- Risetime/falltime: 5...7ns (depends on load capacitance)
- Embedded DC high voltage power supply
- Conductive cooling through the bottom surface
- Applications: pulse picking, pulse slicing, regenerative amplifier control



PP-CONTROL synchronization board

Precisely synchronizes up to two Pockels cell drivers to the seed oscillator optical pulse train:

- 1x optical synchro input
- 1x electrical synchro input
- 2x independent synchro outputs
- up to 2000ns adjustable delay in each channel
- +/- 250ps jitter
- USB, RS-485 interfaces



PP-KIT developer kit

consists of:

- PP-CONTROL synchronization board
- 1 or 2 HVSW-03 high voltage switches
- PC software
- Auxiliary power supplies, interconnective cables etc.

