

CUSTOMIZED POCKELS CELL HOLDERS

Customized Pockels Cell Holders

Due to a lack of commercially available, the scientific and engineering teams at HiLASE have developed a unique holder to handle large aperture and high power laser demands. The main challenges for this design were to handle the thermal and vibration effects inherent in high power and high repetition rate laser development. As a result, HiLASE can offer complete Pockels Cell systems and the expertise for the custom design and installation of such systems.

FEATURES / ADVANTAGES

- Our holder is universal and will work with any type crystal.
- Piezo ringing is mitigated with spring suppression.
- Ceramic material is especially chosen to eliminate any sparks.

SPECIFICATIONS

- Voltage: 0 17.5 kV (tested)
- Repetition rate: 0 100 kHz (Single shot available)
- Crystal aperture: 8 mm² 12 mm²
- Water cooling: 1 liter/min at 2 bar at 20 ° C

OFFERED SERVICES

- Complete systems for high power laser requirements, including regenerative amplifiers, q-switching or pulse pickers.
- Individual HiLASE Pockels Cell Holders for integration into your system or product.

For more information please contact: solutions@hilase.cz



ENGINEERS WITH EXPERT KNOWLEDGE



POCKELS CELL SYSTEM IN A LASER CAVITY





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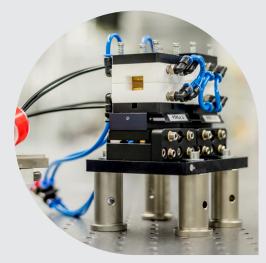
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