

Q-Switching Kits

KD*P PCKELS CELL Q-SWITCHING KIT – QKD

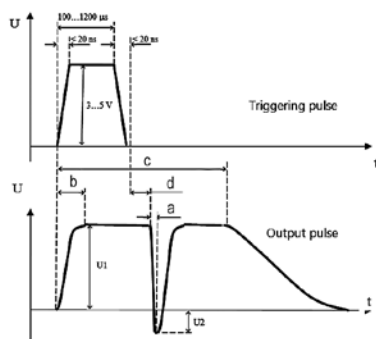
Features

- Pulse repetition rate up to 200 Hz
- Q-switching without retardation plate

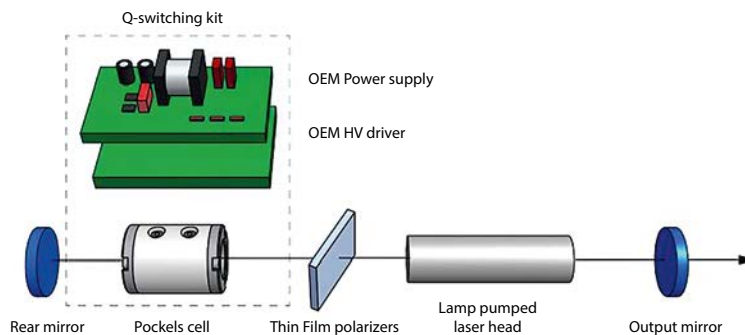
OEM QKD series Pockels cell kits are designed to be used with lamp pumped nanosecond lasers. High voltage is applied to DKDP (KD*P) Pockels cell through DQF Pockels cell driver in order to inhibit oscillation. Pockels cell is opened by negative polarity pulse allowing laser to radiate.

DKDP Pockels cells Q-switching kit includes:

- Low repetition rate Pockels cell driver (see page 18)
- High voltage power supply for Pockels cell driver (see page 20)
- KD*P Pockels cell (see page 5)



Timing diagram of DQF Pockels cell driver



Typical Q-switching with DKDP Pockels cell in $\lambda/4$ scheme

ORDERING INFORMATION

MODEL	QKD-01	QKD-02	QKD-03
Wavelength	1064 nm		
Operation	quarter wave ($\lambda/4$)		
Repetition rate	up to 200 Hz		
Clear aperture	4.5 × 4.5 mm	Ø 8 mm	Ø 11 mm