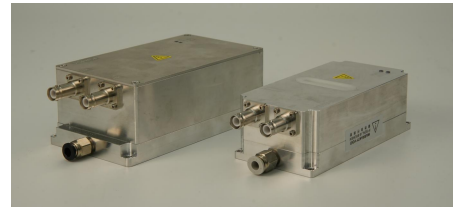


# Pockels Cells Drivers

## Stable, compact, integrated packaging electro-optic drive

The Pockels cells drivers are specially developed to adapt to BBO or KDP electro-optic devices. When the driver receives a trigger signal, the output end will generate a high-voltage signal of the same frequency. The driver needs to be used with a signal generator and is suitable for industrial integration.

CASTECH's Pockels cells driver is compatible with the KD\*P Pockels cells at low repetition frequency and the BBO Pockels cells at high repetition frequency (~1MHz), the minimum pulse width can reach ~20 ns (PCDH series). The waveform can be positive, negative, and square. CASTECH provides customized services.



### Applications

- Driven acousto-optic devices: deflector, frequency shifter, filter

### Integrated driver Model Number: PCD-mv-f-t-h

Working mode(m)	Maximum voltage (v)	Maximum repetition frequency (f)	Trigger mode(t)	Control mode(c)
S (Square)	5 (5 kV)	1 (1 kHz)	E (External)	N (None)
	4 (4 kV)	20 (20 kHz)		

### Split drive Model Number: PCDH-mv-f-t-h

Working mode(m)	Maximum voltage (v)	Maximum repetition frequency (f)	Trigger mode(t)	Control mode(c)
P (Positive) N (Negative) S (Square)	2 (2 kV)	1000 (1000 kHz)	E (External)	N (None)
	4 (4 kV)	500 (500 kHz)*		
	7 (7 kV)	100 (100 kHz)		
	8 (8 kV)	1 (1 kHz)		

\*Positive / Negative maximum repetition frequency 100kHz

### Housing dimensions(mm):

