

Electro-optical drive

General Situation

The High Voltage Driver can generate high-voltage electrical signals and can control the switching and voltage amplitude of these signals through an external modulation signal. These high-voltage electrical signals are applied to electro-optic crystals, and according to the principle of electro-optic effect, the switching and intensity modulation of the laser passing through the electro-optic crystal can be controlled by manipulating these high-voltage signals. The $\lambda/4$ voltage ranges from hundreds of volts to several thousand volts, and the trigger frequency ranges from 1Hz to MHz.



Product specifications

Product Code	Output Voltage	Pulse Waveform	Repetition Frequency	Rise/fall time (ns)	Cooling
HD0005-24070-050GS	7kV	Square	1kHz	≤ 20	Conduction-cooled
HD0006-24040-100GS	3. 6kV	Square	100kHz	≤ 20	Conduction-cooled
HD0008-220060-350WS	6kV	Square	350kHz	≤ 12	Water cooling
HD0011-220040-1000WS	4kV	Square	500kHz	≤ 10	Water cooling
HD0012-024055-0001GS	5. 5kV	Square	1kHz	≤ 10	Conduction-cooled
HD0013-024040-0010FS	2kV	Square	10kHz	≤ 8	Air cooling
HD0015-024040-0050GS	4kV	Square	50kHz	≤ 20	Conduction-cooled
HD0018-024040-0020GS	4kV	Square	20kHz	≤ 20	Conduction-cooled
HD0019-024040-0001GS	4kV	Square	100kHz	≤ 5	Conduction-cooled
PA0001-220-1600	1. 6kV	Square	200kHz	≤ 10	Conduction-cooled
PA0005-220-1600	1. 6kV	Square	400kHz	/	Conduction-cooled
PA0006-024-0800	800V	Square	100kHz	/	Conduction-cooled