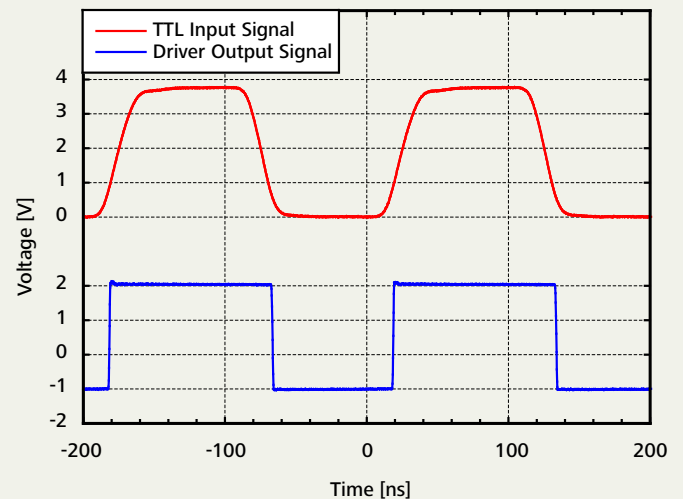




## Driver for Integrated Optical Light Modulators

For generation of short light pulses and steep edges (1 ns, 3 ns)



The driver converts a TTL trigger signal into a proportional voltage of adjustable levels and with short rise times. Typically, the rise time of a TTL signal of 20 ns or more is converted into a slope with a rise time of 1 ns or 3 ns, respectively.

Combined with an integrated-optical amplitude modulator, the driver allows operation in two different modes: a switching mode for fast switching of a light source between „On“ state and „Off“ state, and a pulse mode for generation of a short light pulse via one switching operation.

### Benefits

- Extremely short switching times
- 1 ns and 3 ns rise time, respectively

### Applications

- Short light pulse generation
- Pulse generation in oscillator amplifier systems
- Laser range-finders
- Fluorescence stimulation
- Testing opto-electronic components

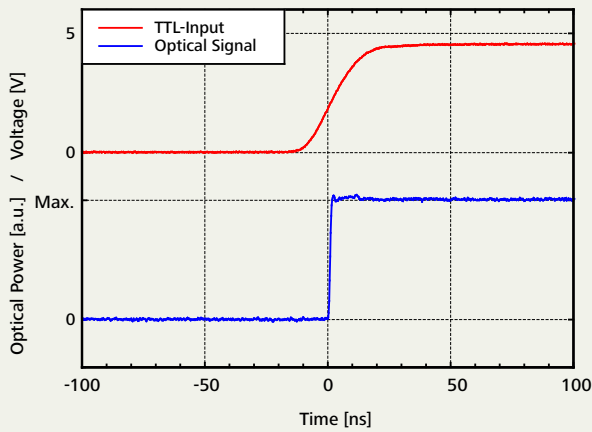
# Driver for Integrated Optical Light Modulators

For generation of short light pulses and steep edges (1 ns, 3 ns)

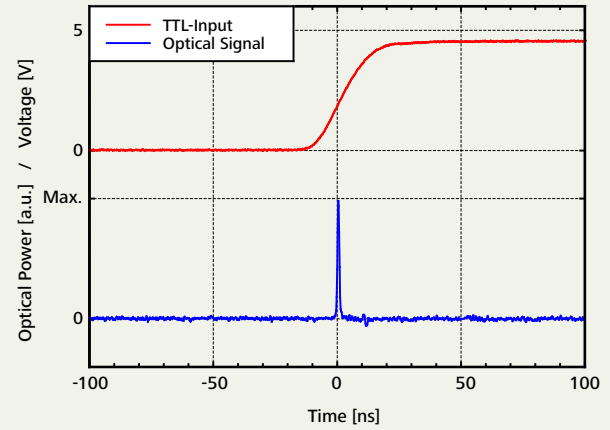
## Specifications

		Driver 1 ns	Driver 3 ns
Trigger		TTL, BNC (50 Ohm)	TTL, BNC (50 Ohm)
Trigger edge		Rising and / or falling	Rising
Output to modulator		SMA (50 Ohm)	SMA (50 Ohm)
Output voltage (connected to 50 Ohm)	Level 1	-2.5 V ... 0 V	-2 V ... 2 V
	Level 2	0 V ... 5 V	-2 V ... 2 V
Rise time ( 10 / 90 ), typical		1 ns	3 ns
Power supply		18 V dc, switching power supply, 60W	12 V dc, switching power supply, 30W
Dimensions (L x W x H)		65 mm x 150 mm x 265 mm	120 mm x 40 mm x 24 mm

Switching mode



Pulse mode



It is our policy to constantly improve the design and specifications. Accordingly, the details represented herein cannot be regarded as final and binding.



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