Six channel Laser Switch iC-HG enables the spike-free switching of laser diodes with well-defined current pulses at frequencies ranging from DC to 200 MHz. The diode current is determined by the voltages at pins Clx. The six fast switches are controlled independently via TTL inputs. Input ELVDS = hi selects LVDS type inputs and three channel mode. The laser diode can thus be turned on and off or switched between different current levels (LDKx connected) defined by the voltages at Clx. Each channel can be operated up to 500 mA DC current depending on the heat dissipation. The integrated thermal shutdown feature protects the iC-HG from damage by excessive temperature.

**Applications**
- Pump lasers
- Laser projection
- Laser TV

**Features**
- Six channel laser switch from CW up to 200 MHz
- CW operation with up to 500 mA per channel
- Spike-free switching of the laser current
- 6 x 1 channels with TTL inputs
- 3 x 2 channels with LVDS inputs
- Six independent voltage-controlled current sinks
- Switches (LDKx) are 12 V capable for blue laser diodes
- Fast and slow switching mode
- Simple current control at pins Clx
- Clx voltage < 3 V for full current
- Wide supply voltage range from 3 to 5.5 V
- All channels can be paralleled for 3 A operation
- Multiple iC-HGs can be connected in parallel for higher currents
- Open drain error output
- Thermal shutdown
This preliminary information is not tantamount to a guarantee of device characteristics. All rights to technical changes reserved.