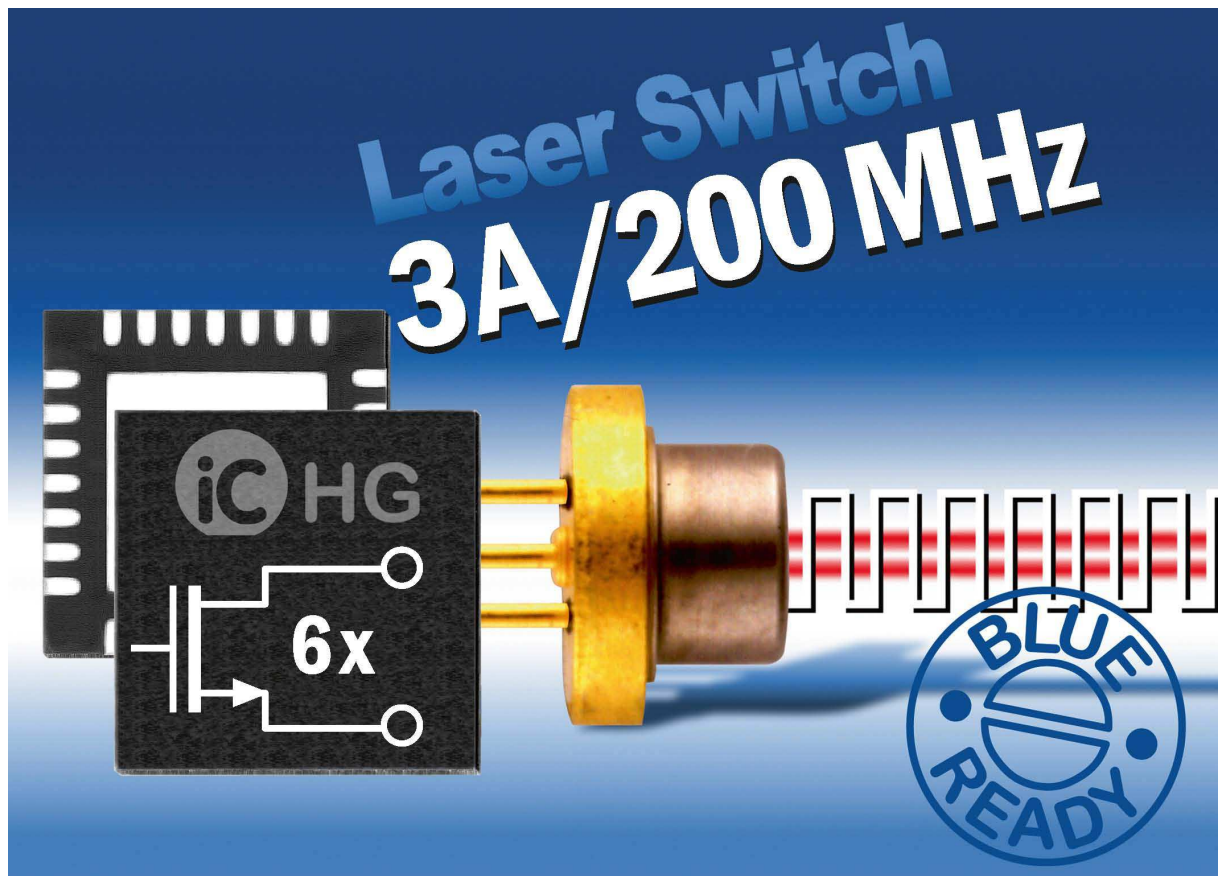


3 A Laser/LED Switch

Switch laser diodes spike free with up to 3 A/ns

The extremely fast and spike-free laser/LED switch iC-HG has six independent channels with 0.5 A apiece which can be freely combined as required. One single, integrated device in a QFN package just 5 mm wide can thus drive up to six laser diodes or LEDs, or can supply 3x 1 A if switched in parallel and in pairs for RGB applications. All six channels are paralleled for a maximum current of up to 3 A. Current settings are selected for each channel using individual control voltage inputs.



Download text and photo at

http://www.ichaus.de/pressroom/ichaus_HG_pre.zip

With a permissible laser diode supply voltage of up to 12 V, iC-HG is also suitable for use with blue laser diodes.

In both drive modes (TTL and LVDS) rise and fall times can be reduced to cut down EMI. Errors “Configuration input not connected”, “Undervoltage”, and “Overtemperature” are signalled at an error message output. The switching outputs are also shut down with overtemperature.

iC-Haus has registered its integrated laser and LED drivers, together with suitable laser diodes, LEDs, and modules, as part of the CHIPS4LIGHT campaign (<http://www.chips4light.de>).

Further information is available at <http://www.ichaus.de/iC-HG>.

Introducing iC-Haus

iC-Haus GmbH is a leading independent German manufacturer of standard iCs (ASSP) and customized ASiC semiconductor solutions. The company has been active in the design, production, and sales of application-specific iCs for industrial, automotive, and medical technology since 1984 and is represented worldwide. The iC-Haus cell libraries in CMOS, bipolar, and BCD technologies are fully equipped to realize the design of sensor, laser/opto, and actuator ASiCs. The iCs are assembled either in standard plastic packages or using chip-on-board technology to manufacture complete microsystems, multichip modules and optoBGA™, the latter in conjunction with sensors.

Further information is available at <http://www.ichaus.com>.

If you have any queries, please contact:

Uwe Malzahn

iC-Haus GmbH, Am Kuemmerling 18, 55294 Bodenheim, Germany

Tel.: +49 (6135) 9292-300 Web: www.ichaus.com

Fax: +49 (6135) 9292-192 Email: sales@ichaus.com