



ROITHNER LASERTECHNIK GmbH presents:

Ultrafast VCSEL/LED triggered light source



Individually characterized light source offers a compact and affordable solution for ultrafast illumination applications. Using LEDs, nearly arbitrary wavelengths can be realized with sub-ns timing precision. In conjunction with 850nm VCSELs light pulses as short as 100 ps are achieved. The light source is attached via a SMA breakout board, so that different sources can be used with the same module. Biasing of the electronic driver allows an intensity pulse modulation.

[Data sheet](#)

[Scientific paper](#)

[Characterization of light source](#)



New laser diodes

SHD4850MG (488nm, 50mW)

http://www.roithner-laser.com/datasheets/ld_div/shd4850mg.pdf

QL78M6SA (780nm, 90mW)

http://www.roithner-laser.com/datasheets/ld_div/ql78m6sa.pdf

QL83F6SA (830nm, 10mW)

http://www.roithner-laser.com/datasheets/ld_div/ql83f6sa.pdf

QL83H6SA (830nm, 20mW)

http://www.roithner-laser.com/datasheets/ld_div/ql83h6sa.pdf

QL94J6SA (940nm, 50mW)

http://www.roithner-laser.com/datasheets/ld_div/ql94j6sa.pdf

QL94R6SA (940nm, 200mW)

http://www.roithner-laser.com/datasheets/ld_div/q194r6sa.pdf

[Products overview](#)

[Pricelist](#)



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