

# Pulse energy enhancement by means of fiber Bragg gratings in actively Q-switched Tm<sup>3+</sup>-doped fiber lasers operating at 2050 nm and 2090 nm

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We present a Tm<sup>3+</sup>-doped actively Q-switched fiber laser providing pulse energies of 960  $\mu$ J with 20.5 kW peak power at a wavelength of 2050 nm and pulse energies of 720  $\mu$ J with 6.5 kW peak power at a wavelength of 2090 nm. The laser is ideally suited as a pump source for nonlinear frequency conversion.

## code

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