

# High-peak-power Ho<sup>3+</sup> and Tm<sup>3+</sup> -doped fiber MOPA for mid-IR conversion

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We present a pulsed polarization-maintaining all-in-fiber MOPA setup based on Ho<sup>3+</sup> and Tm<sup>3+</sup> -doped silica fibers. By pumping a ZGP OPO an mid-IR output power of 8.1 W and a conversion efficiency of 44 % (slope 61 %) is obtained.  $M^2$  factors of 2.2 (signal) and 2.0 (idler) are determined at maximum power.

## code

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