Diode-pumped, passively Q-switched microlasers are simple, compact and reliable sources of near infrared sub-nanosecond pulses. In this design, the microlaser is a passively Q-switched Nd:YVO 4 , multipass amplifier. To satisfy all these requirements, we have developed a master oscillator/power-amplifier configuration (MOPA). For the master oscillator, we use a passively Q-switched Nd:YAG microlaser, with a Nd:YAG/Cr:YAG critically-phase-matched, Type I LBO crystals, with dimensions of 3 x 3 x 10 mm, arranged in a walkoff-compensated configuration. At an input power of 1 W, the output SH power was measured to be 350 μJ, with ratio of 4:3.