HC PHOTONICS CORP.

PPLN Pulse Mixers:

PPLN Pulse Mixers are optimzed for the unique demands of nano-, pico-, or even femto-second operation. Under high peak power operation, conversion efficiency in general can be relatively high and even enable OPA/OPG applications. However, crystal damage, pulse spectrum, and temporal walk-off effect in general needs to be taken into special consideration. We can provide several pulse bulk/waveguide mixers with optimization of above special pulse conditions.

Key features

- Pump by ns-Q switch laser or ps/fs ultrafast laser, with spectrum, temporal walk-of and damage optimization.
- Available output wavelength from UV/Visible to NIR/MIR
- Available mixing configuration from fundamental type to advanced type (such as SHG/SFG/DFG, or OPA/OPG etc.)
- Available for fiber or free space as input/output coupling interfaces (such as 1x0, 1x1, 2x0, 2x1, 0x0 , 0=free space, 1=one fiber, 2=dual fibers, with optional alignment beam for free space input)
- Available with integrated thermistor/TEC for QPM temperature optimization & optional photodiode (PD) for power monitoring/automatic power control
- Convenient, compact and robust and available for a variety of application customizations

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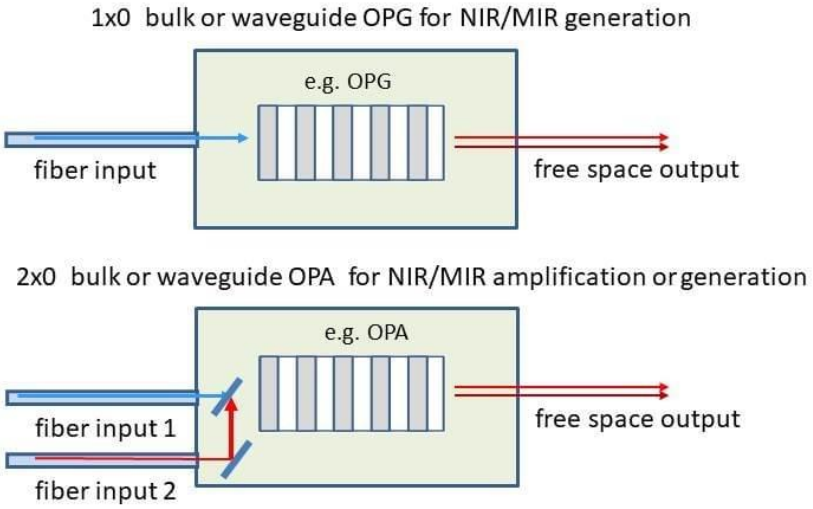
Example of available configurations:



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