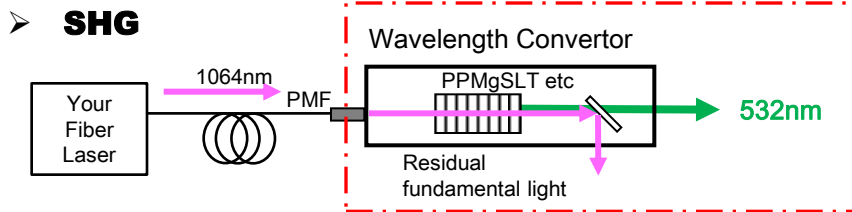


# Wavelength Converter

Your IR Laser becomes Visible!!

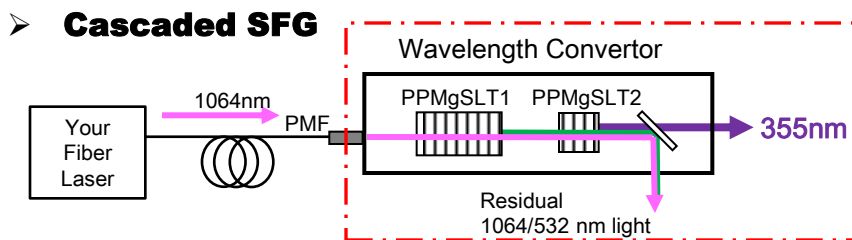
## Standard Scheme



SHG: Standard CW 1064 → 532nm up to 5W SHG



Standard Dimension (SHG):  
105mm x 74mm x 43mm



SFG: Standard CW 1064+532nm → 355nm up to 50mW

Note:

Our engineers select suitable nonlinear devices (PPMgLN, PPMgSLT, LBO, BBO etc.) and optical components for your laser. Much higher output power available for pulsed case.

## Required Information

### Input

CW / Pulsed  
Center Wavelength, Bandwidth  
M2  
Polarization Extinction Ratio  
Average / Peak Power  
Delivery Fiber MFD, NA, Connector  
etc.

### Output

Average / Peak Power  
Conversion Efficiency  
Output Beam Size, Divergences  
Converter Size  
etc.

## Option

Dump Unit (for Residual Input)

- Type: Fiber Dump, Dump Block Unit, Integrated Dump with FAN

Collimation (for SHG, SFG)

- Typical 1mm, Expander Option available

Multi-color Output

- Typical Fundamental, SHG, SFG

Fiber Out (for SHG, SFG)

- MMF, SMF, PMF

PD Power Monitor

**Other Customizations AVAILABLE.**

- 4<sup>th</sup> Harmonic Generation, DFG(Differential Frequency Generation), MIR(Mid IR)

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