



High-Efficiency SHG Unit



Features

High-efficiency wavelength conversions have been actualized.

We have actualized high-efficiency wavelength conversions with our own optical system.

High-quality beam power can be obtained with the use of bulk-type crystals.

High-power outputs at watt level can also be made.

Work with input light of 1 μ m to 1.55 μ m.

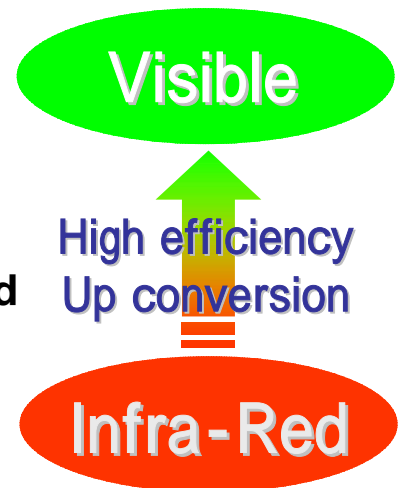
Optical axis / polarization adjustments are no longer necessary due to polarization maintenance fiber input.

Modulation outputs (up to 1 MHz) through AOM are possible.

OPTOQUEST PRODUCTS

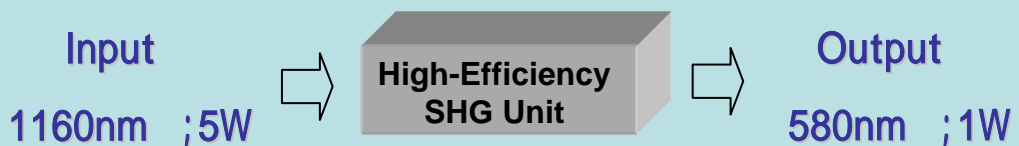
Applications

- Laser, microscope fluorescent microscope
- Flow cytometer
- Various spectrums, physical and chemical applications



Example

580nm Conversion Efficiency Example: 20%



*The 20% conversion efficiency is not a guaranteed performance rate.

Built-In Functions

- Peltier / thermistor for crystal temperature control
(a temperature control board can also be embedded)
- Filter SWPF to cut fundamental wave
- PD for conversion light intensity monitor
- Safety shutter

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