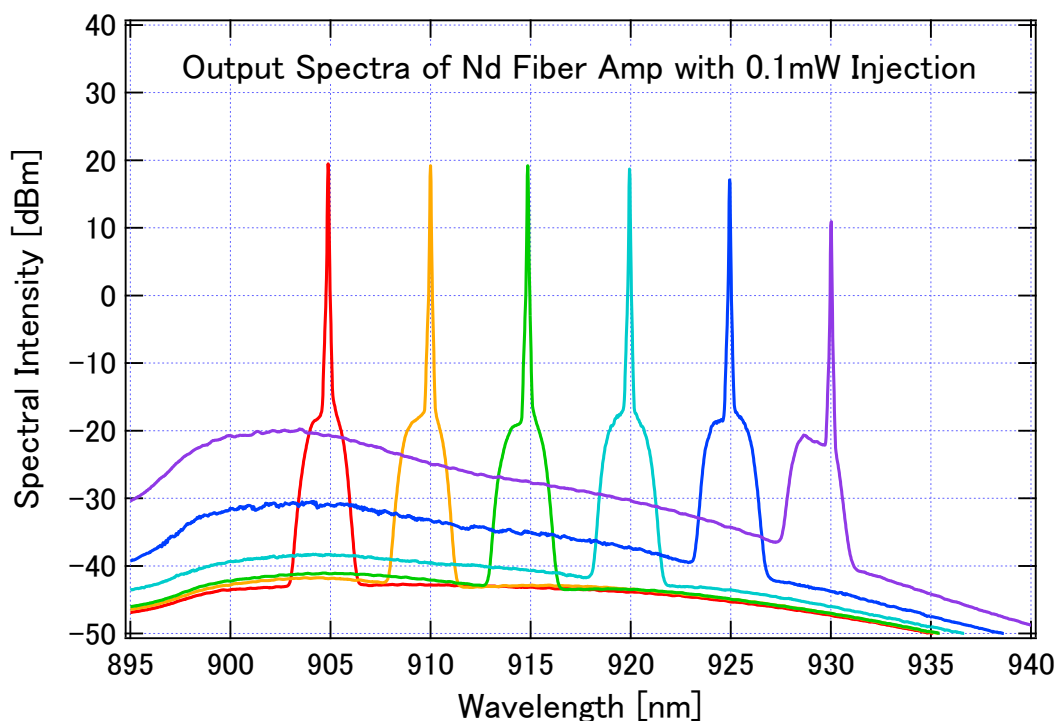


900~930nm Nd Fiber Amplifier

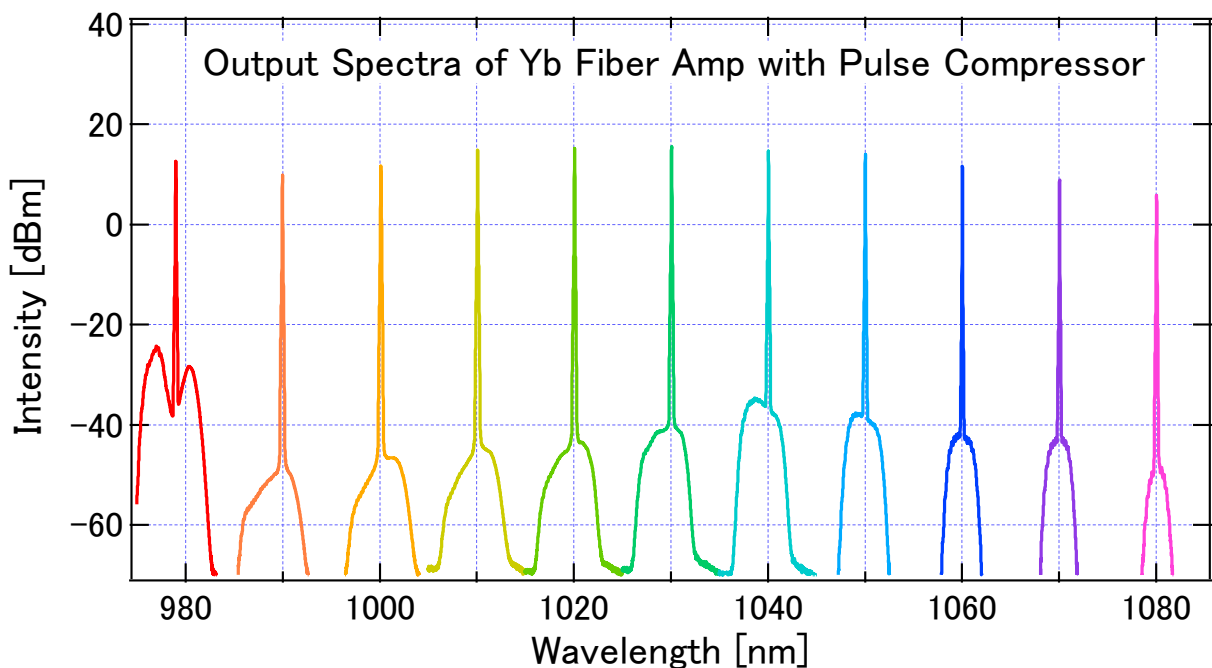
- ◆ Broad Band Gain : >30dB (900~930nm)
- ◆ Saturation Power : 200mW
- ◆ PM Fiber Output
- ◆ Tunable Pulse Compressor (Option)



Spectra Quest Lab. Inc

975~1085nm Yb Fiber Amplifier

- ◆ **Broad Band Gain : >30dB** (except around 990nm)
- ◆ **Saturation Power : 200mW**
- ◆ **PM Fiber Output**
- ◆ **Tunable Pulse Compressor (Option)**



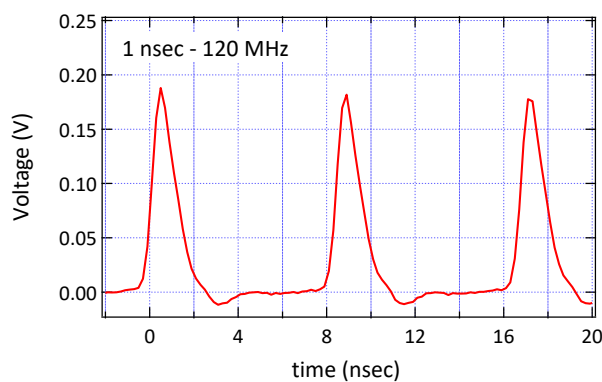
Spectra Quest Lab. Inc

Pulsed High-Power Wide-Band SOA

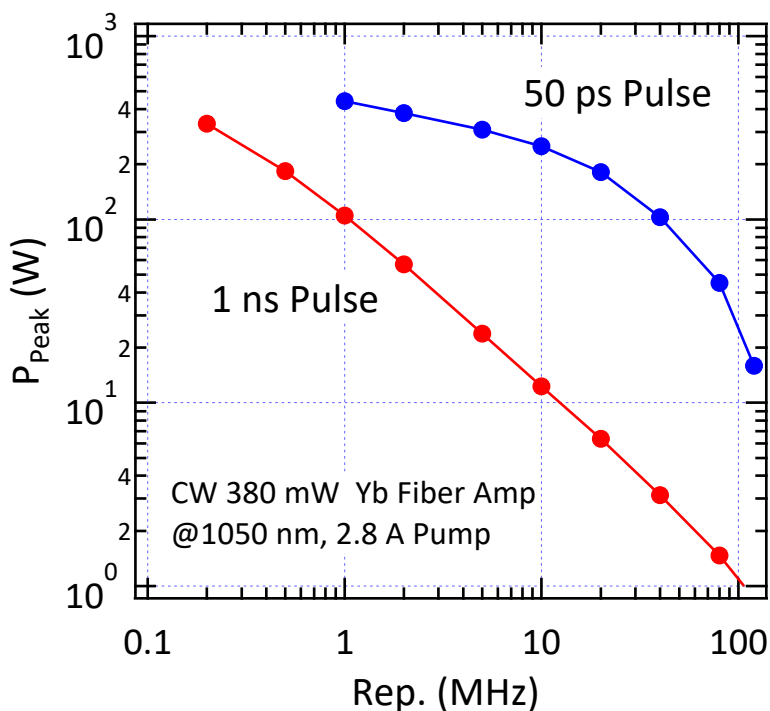
- ◆ Wavelength Coverage : 920 ~ 1000 nm, 980 ~ 1085 nm
- ◆ Saturation Power : > 1 W (High Gain: >30dB)
- ◆ Pulse Width : 1 ~ 1000 ns (50ps with EO Option)
- ◆ High Extinction Ratio : > 70dB
- ◆ Pulse "on demand" : up to 125 MHz



λ-Impulse



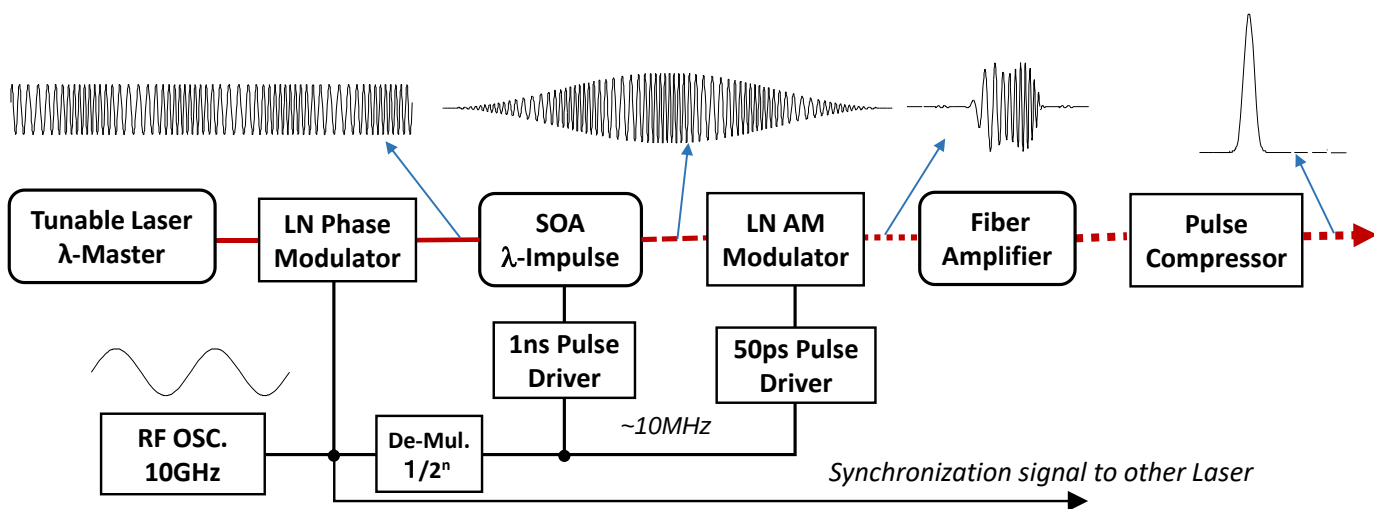
Peak Power vs Repetition Frequency after Yb Fiber Amplification



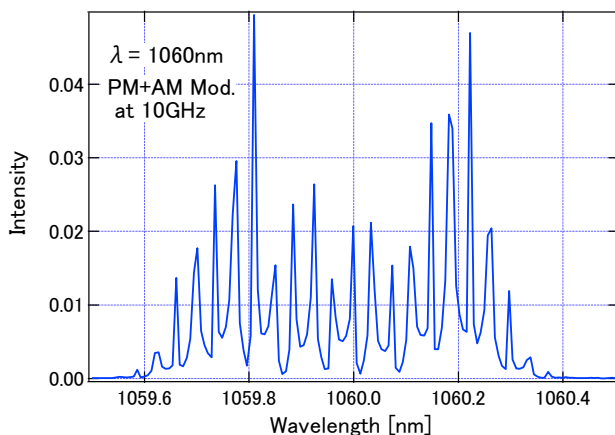
Spectra Quest Lab. Inc

New Picosecond Tunable Laser

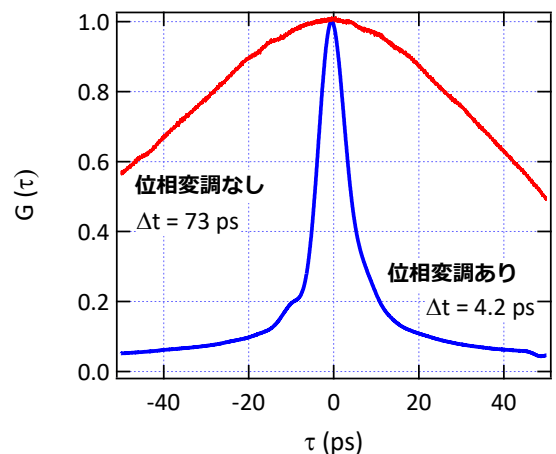
- ❑ Broad Band Continuous Wavelength Tuning
975~1085nm , 900~930nm
- ❑ 5ps Fourier Limit Pulse
- ❑ Pulse “on demand”, up to 125MHz, synchronizable to other
- ❑ PC Control and User Friendly Software



Schematic Diagram of p-sec. Pulse Generation



Comb Spectra
Comb Spectra



Auto-Correlation Chart



Spectra Quest Lab. Inc

Multi-Wavelength SHG Unit

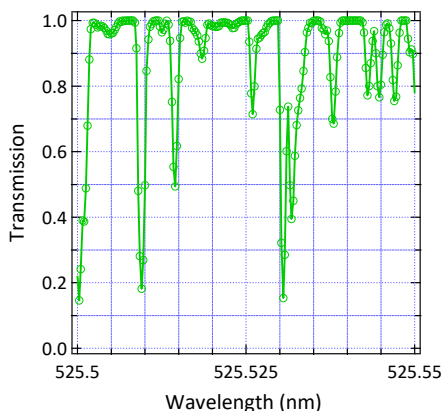
- ◆ 24 Period Elements cover 458 ~ 550 nm wavelength region
- ◆ Synchronized temperature control allows 4nm MHF tuning
- ◆ CW 5mW output with λ -Master and λ -Amp
- ◆ >100W pulse output with λ -Master, λ -Impulse and Fiber Amp



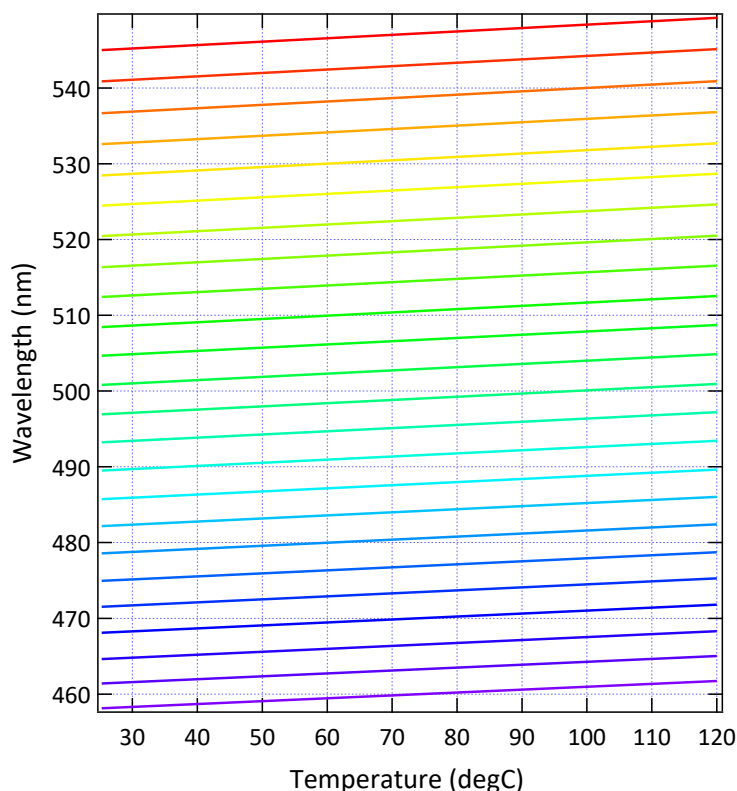
Device with 24 elements



Iodine Gas Spectra
(3.8 nm tuning)



Phase Matching Curve of Each Device



Spectra Quest Lab, Inc

URL : <https://SpectraQuestLab.com> e-mail : info@SpectraQuestLab.com