

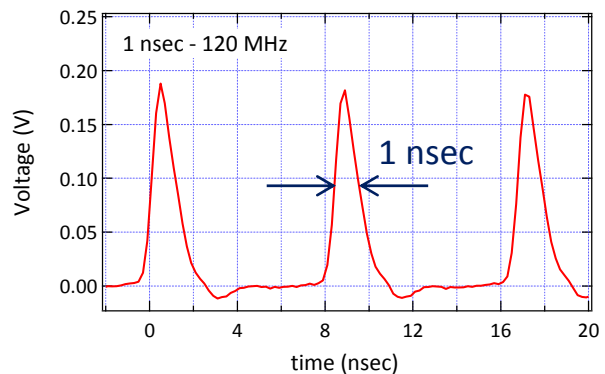
# Short Pulse SOA



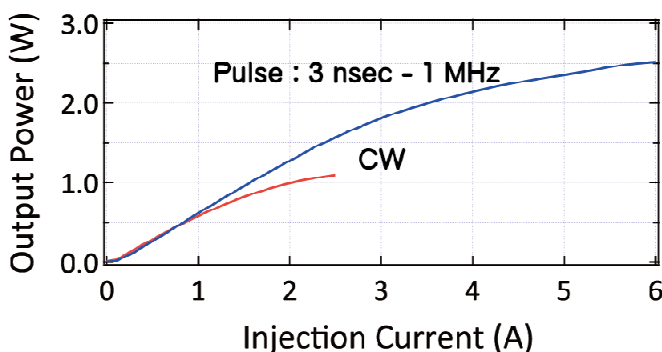
- ❑ Pulse Width :  $\sim 1$  nsec
- ❑ Repetition Rate : Max 125 MHz ( Int./Ext. Trigger )  
→ Synchronized Operation with Mode-Lock-Laser
- ❑ Gain Band : 980  $\sim$  1080 nm, 920  $\sim$  990 nm
- ❑ Peak Power :  $\sim 2$  W
- ❑ Spectral Line width : Fourier Limit



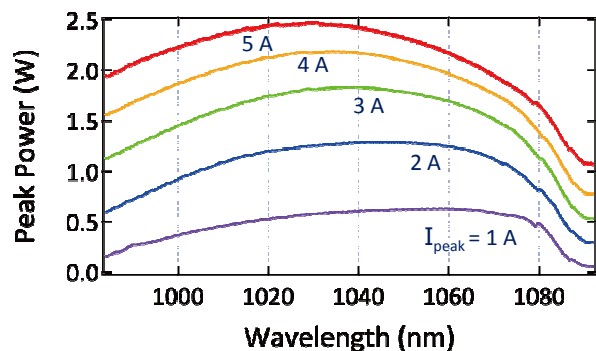
λ-Impulse Amp Head



Time Profile of Pulse Output



Output - Injection Current Properties



Injection Wavelength Dependence



Spectra Quest Lab, Inc