



1240 nm pulsed fiber laser



The product description

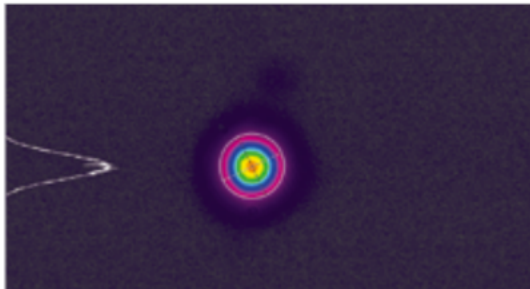
Erbium group develops the 1240 nm pulse fiber laser with maximum average power 5 W, repeat frequency 80 kHz~120 kHz and pulse width 60 ns-120 ns which can be continuously tuned. 1240 nm pulse fiber laser offers the excellent light source for cutting silicon wafer cutting and doubling frequency 620 nm laser. 1240 nm pulse fiber laser based on the scheme of Raman amplifier have the characterizes of high power, low noise, high Beam quality near diffraction limit, all-optical-fiber transmission, the simple and compact machine structure and the free maintenance.

Key Features:

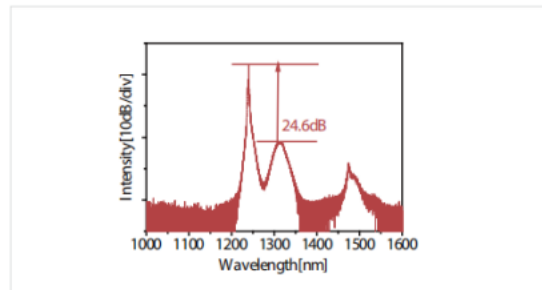
- High average power
- Adjustable frequency (80 kHz-120 kHz)
- Adjustable pulse width (60 ns-120 ns)
- Excellent beam quality ($M^2 < 1.1$)

Applications:

- Silicon wafer cutting
- Frequency doubling application
- Probe light source



Laser beam spot



Laser output spectrum

Technical indicators

Model	RFA-QCW-1240-5
Central wavelength, nm	1240
Output Power, w	> 5W
Work mode	Pulse [80 kHz~120 kHz and pulse width 60 ns-120 ns can be continuously tuned]
Beam diameter, mm	3-5
Beam Quality	TEM ₀₀ , M ² < 1.1
PER, dB	>18
RMS Power Stability	<0.3 %@3hrs
Cooling	Water Cooling/Air Cooling
Power Supply	50-60Hz , 100-240VAC



Structure size

