

Femtosecond Ti:Sapphire Oscillators _ Octave-Spanning (OS) & Ultrabroad (UB) Edition

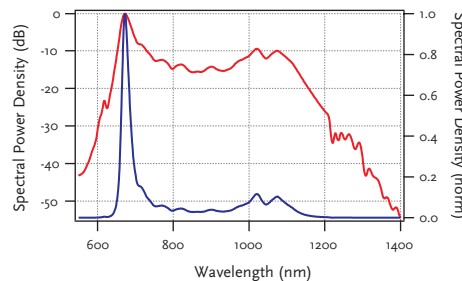
- ▶ Our **VENTEON | PULSE : ONE Octave-Spanning (OS) Edition** is designed for providing a spectral bandwidth which allows for direct carrier envelope phase (CEP) stabilization without additional spectral broadening. A signal-to-noise ratio (SNR) greater than 30 dB in a 100 kHz resolution bandwidth (RBW) can be generated using a standard f-to-2f interferometer (optional). Our **OS Edition** features an extended breadboard allowing for a pump laser and interferometer installation within the laser enclosure. This system is also available as CEP stabilized **CP Edition** including an f-to-2f interferometer, locking-, measurement- and controlling electronics.
- ▶ Our **Ultrabroad (UB) Edition** is designed for delivering the broadest spectral bandwidth supporting pulse durations as short as 6 fs with more than 200 mW average output power. This laser is also available with our new **Integrated Pump (IP)** option.

▶ PULSE : ONE | OS - Octave-Spanning Edition

▶ Specifications



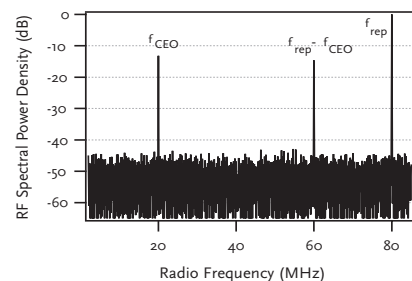
- Repetition rate: 80 - 200 MHz
- Average output power > 150 mW
- Pulse energy > 1.5 nJ @ 80 MHz
- Spectral width > 600 nm @ -30 dBc
- Pulse duration < 6 fs
- f-to-2f SNR > 30 dB @ 100 kHz RBW



▶ Technical Data

- Extended breadboard design
- Dimensions: 750 x 550 x 140 mm³
- Weight: ~75 kg (~166 lbs)

▶ Available Options

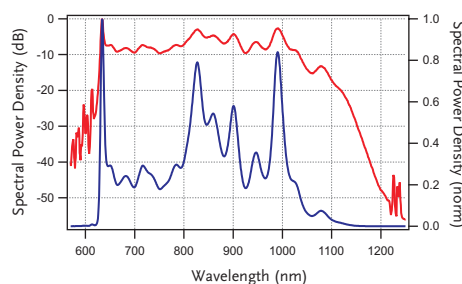


▶ PULSE : ONE | UB - Ultrabroad Edition

▶ Specifications



- Repetition rate: 80 - 200 MHz
- Average output power > 200 mW
- Pulse energy > 2 nJ @ 80 MHz
- Spectral width > 400 nm
- Pulse duration < 6 fs



▶ Technical Data

- Dimensions: 550 x 350 x 140 mm³
- Weight: ~35 kg (~78 lbs)

▶ Available Options

