



OE4045

## HI-Q® BLUE LASER

OEwaves' OE4045 blue laser is purpose-built for quantum precision, delivering ultra-narrow Lorentzian linewidth and exceptionally low phase and frequency noise in a compact design. Optimized for quantum state preparation, it offers outstanding stability across a range of wavelengths from 435 nm to 480 nm.

### Specifications

**Wavelength:** 435 nm – 480 nm

**Spectral linewidth:** Sub-Hz to 10 Hz

**Thermal tuning range:**  $\leq$  10 GHz (Mode hop free)

**Monitor / control interface:** USB

Integrated driver/controller