

THINKING
BEYOND

FREE-BEAM AND FIBER-PIGTAIL

spectroscopy

QT

metrology

life science

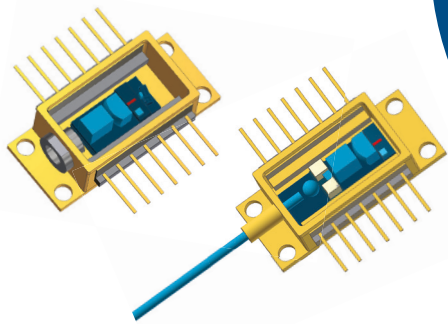
atomic clocks

miniECL

in standard butterfly package

Miniaturized external cavity laser with ~ 100 kHz linewidth

 **TOPTICA**
EAGLEYARD



spectroscopy

QT

metrology

life science

atomic clocks

miniECL

Single Frequency Laser Diode

Free-beam: 40 mW @ 671 nm (Li D1 & D2 line),
80 mW @ 770 nm (K D1 line), 80 mW @ 780 nm (Rb D2 line),
80 mW @ 852 nm (Cs D2 line), 80 mW @ 895 nm (Cs D1 line)
Fiber-coupled: 25 mW @ 780 nm (Rb D2 line)

PRODUCT HIGHLIGHTS

- + Narrow linewidth of ~ 100 kHz
- + High SMSR (typ. 50 dB)
- + Integrated beam collimation
- + Thermal management by integrated thermoelectric cooler and thermistor
- + Integrated optical isolator and 'plug & play' with fiber-pigtail butterfly

Datasheets:

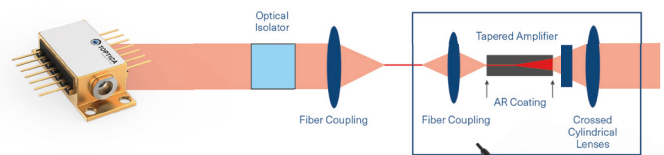
EYP-ECL-0671-00040-1000-BFW01-0005
EYP-ECL-0770-00080-1500-BFW01-0005
EYP-ECL-0780-00080-1500-BFW01-0005
EYP-ECL-0852-00080-1500-BFW01-0005
EYP-ECL-0895-00080-1500-BFW01-0005
EYP-ECL-0780-00025-1500-BFY12-0005



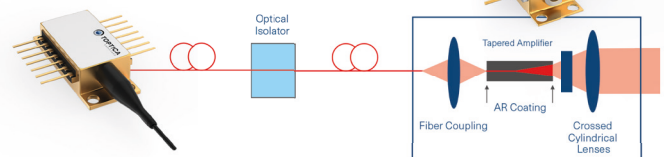
Contact us!

Eagleyard Photonics GmbH
Rudower Chaussee 29 | 12489 Berlin, Germany
Tel.: +49 30 6392 4520 | Fax: +49 30 6392 4529
E-Mail: info@toptica-eagleyard.com | www.toptica-eagleyard.com

Seeder free space: High power, flexible wavelengths



Seeder fiber-coupled: plug and play @ 780 nm and 852 nm



YOUR ADVANTAGES

- ✓ Ease of use thanks to high integration level and 'plug and play' option
- ✓ Robustness due to hermetically sealed butterfly package
- ✓ Very narrow linewidth for high precision
- ✓ Possibility of wavelength customization
- ✓ With evaluation board for faster testing and preparation

