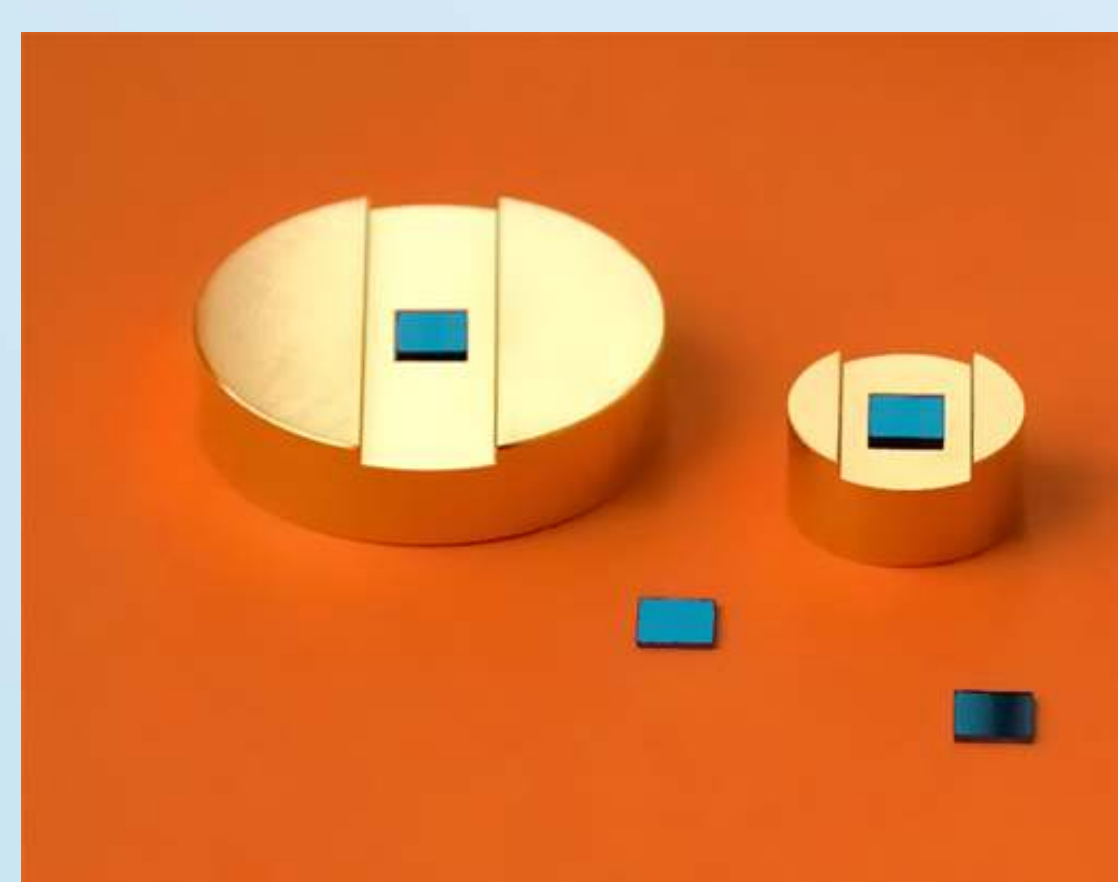
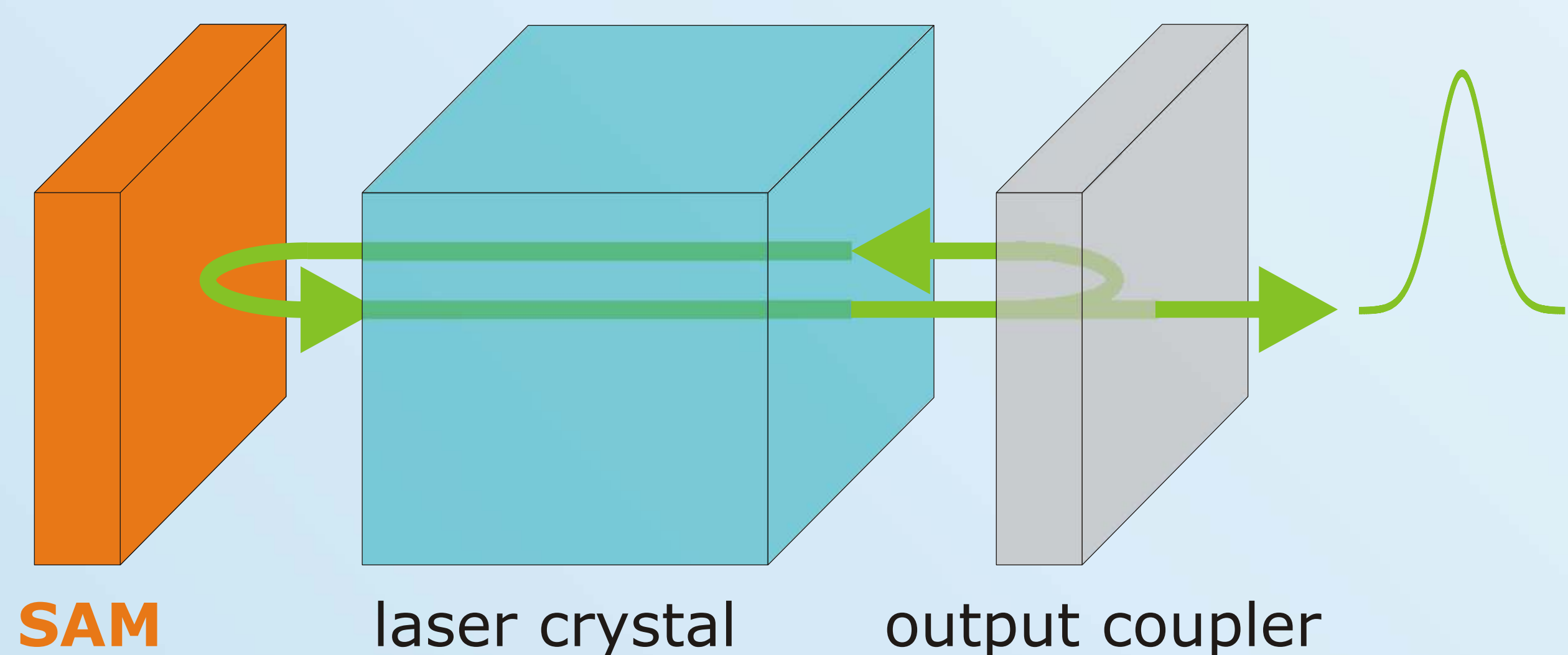


Saturable Absorbers

for Passive Mode-Locking of Solid State, Fiber and Microchip Lasers

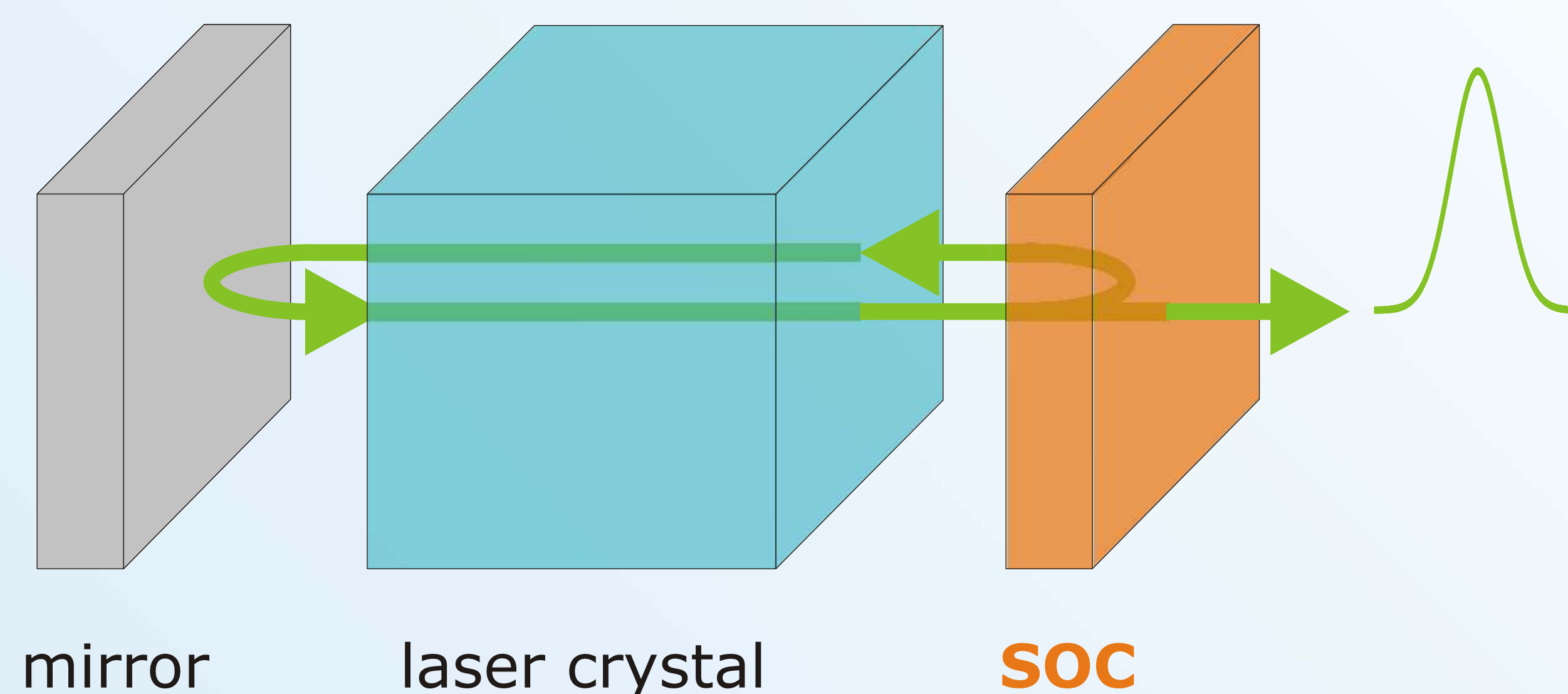
SAM™ - Saturable Absorber Mirror

- high reflecting mirror (>99.7%) + saturable absorber
- wavelengths: 800 nm - 3000 nm
- absorption values: 0.7% - 99%
- relaxation time: 500 fs - 124 ps



SOC - Saturable Output Coupler

- partially reflecting mirror + saturable absorber
- wavelengths: 1040 nm, 1064 nm, 2000 nm
- absorption values: 0.8% - 40%
- transmission values: 0.4% - 28%
- relaxation time: 1 ps - 150 ps



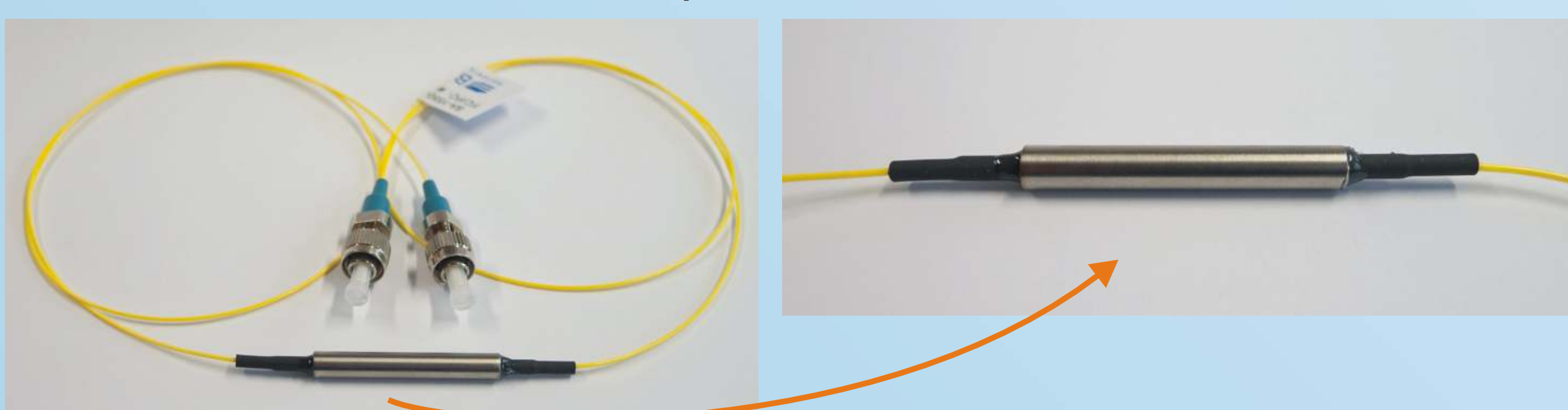
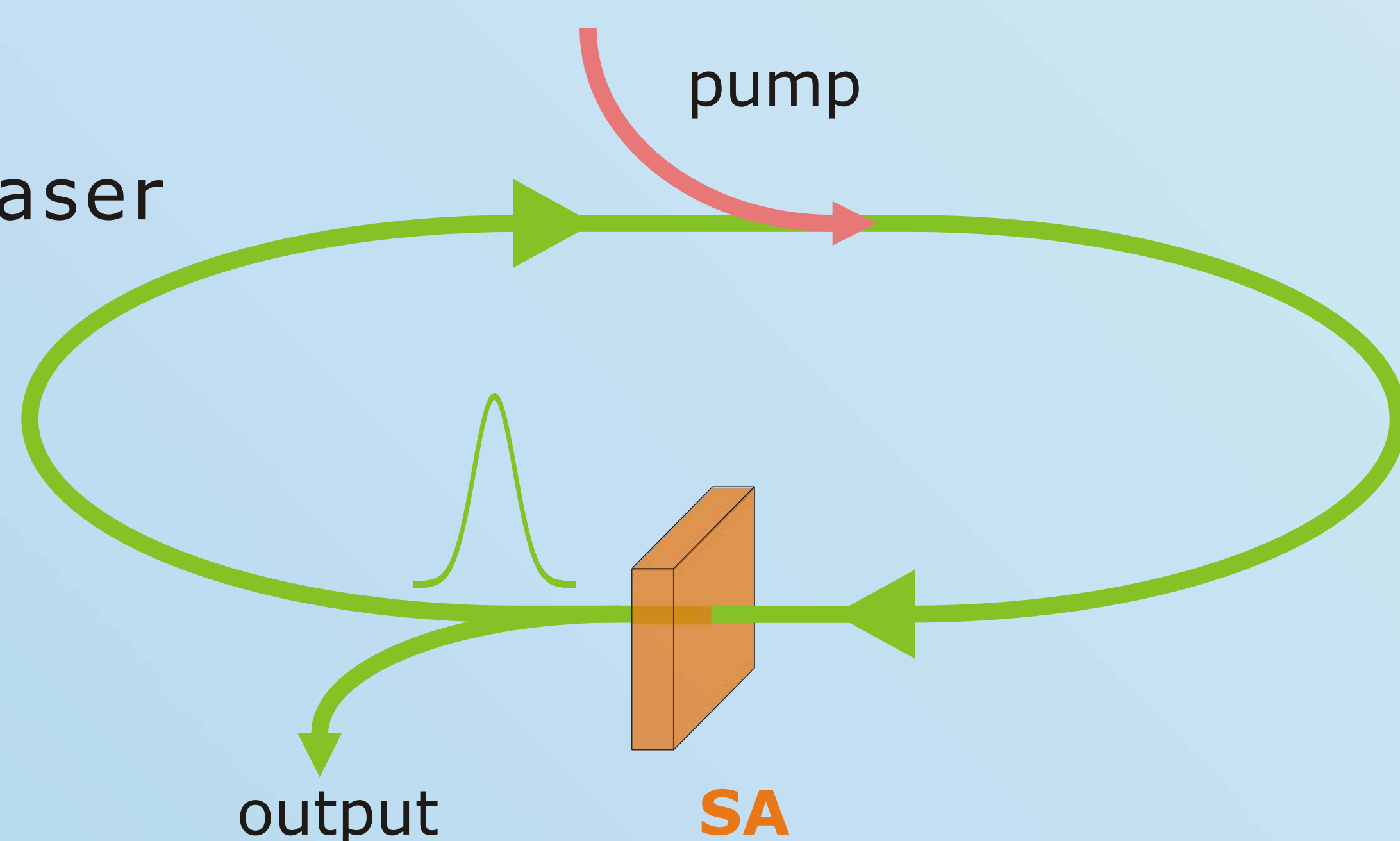
- typical mode-locked pulse widths 100 fs .. 10 ps
- development and production of customized saturable absorbers



SA - Saturable Absorber

- saturable absorber in transmission
- wavelengths: 1020 nm, 1064 nm, 1550 nm, 2000 nm
- absorption values: 1% - 58%

fiber ring laser with SA



SANOS - Saturable Noise Suppressor

- saturable absorber mirror for elimination of optical noise between consecutive optical pulses
- wavelengths: 1064 nm, 1550 nm
- noise suppression factor: 6 .. 18

