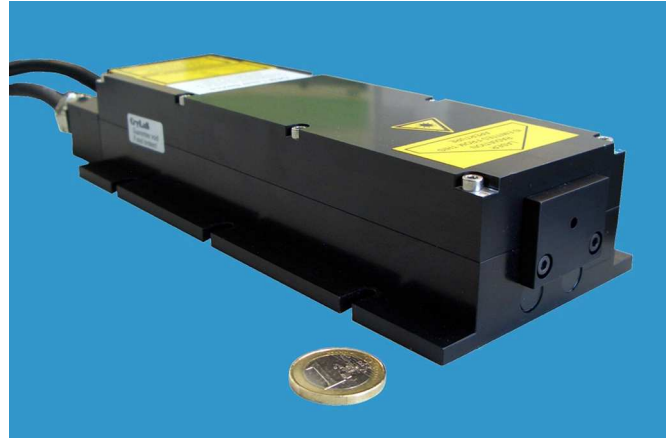


FQSS 266-200

Diode pumped passively Q-switched solid state laser

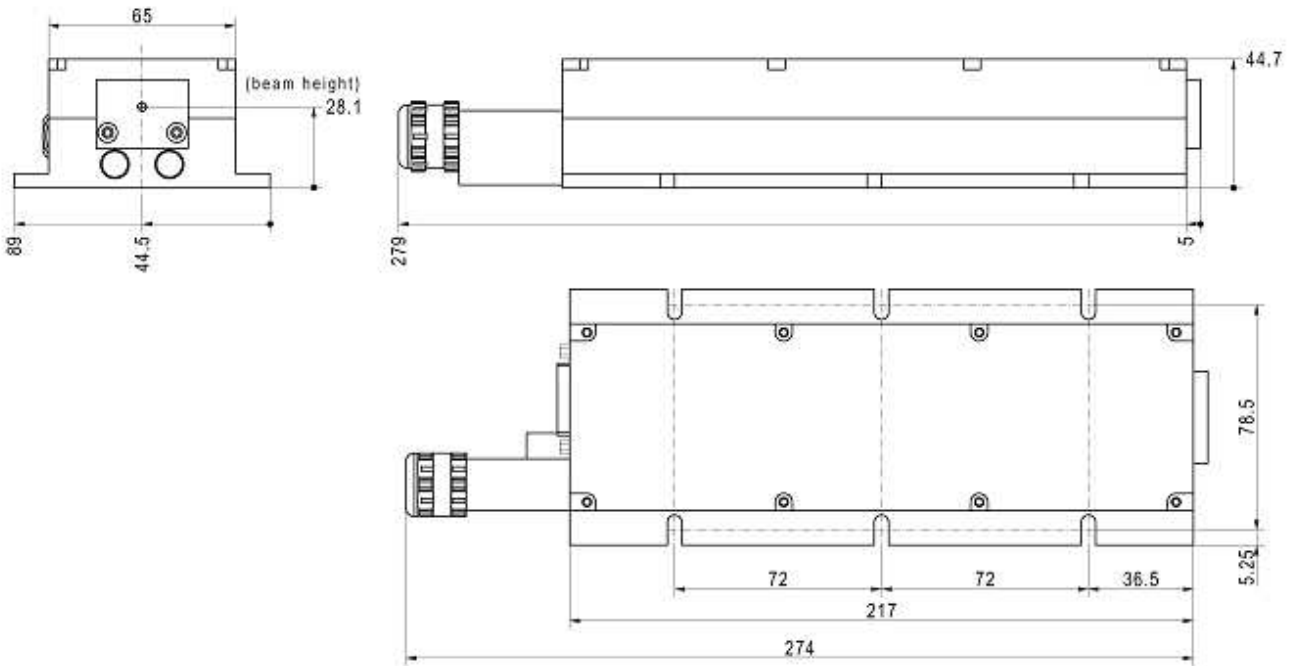
- 266 nm
- single pulse
- < 1.5 ns
- 1 – 60 Hz
- > 200 µJ



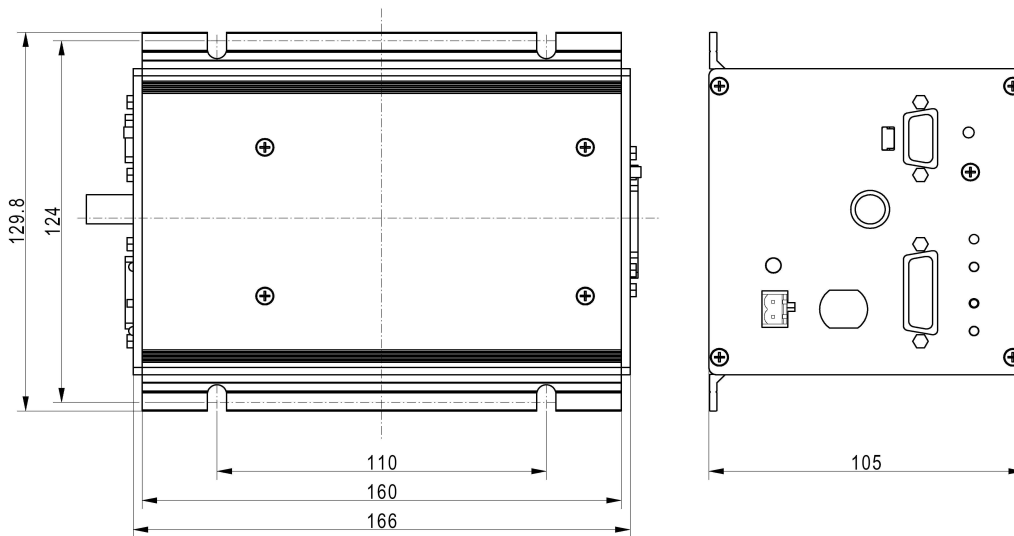
biology · biomedicine · chemistry · analytics

Optical Data	Wavelength	266 nm
	Beam Divergence (full angle)	< 3.0 mrad
	Beam Ellipticity	< 2:1
	Waist Diameter	500 ± 150 µm (located at about 110mm inside the laser head)
	Beam Diameter	800 ± 300 mm (at laser exit)
	Peak Power	> 130 kW @ 20 Hz
	Pulse Energy	> 200 µJ @ 20 Hz
	Pulse Repetition Rate (with external trigger)	1 - 60 Hz
	Pulse Width (FWHM)	< 1.5 ns
	Polarization Ratio	> 100:1, vertical
	Long term pulse energy stability (6 hrs)	< ± 5 %
	Laser Classification	4 / IV
Optical Output	Free Beam	
Electrical Data	Electrical Power Consumption	< 90 W
	Line Voltage	90 - 265 V AC (50-60 Hz) or 24 V DC
Interface	RS 232, USB	
Miscellaneous	Warm-up Time	< 10 min
	Operating Temperature	18° - 35°C
	Laser Head Size	217 x 65 x 45 mm (core dimensions)
Options	Synchronization signal output (rise time < 2 ns)	
	Manual shutter	
	Heat sink with fan (recommended for repetition rates > 50 Hz)	
	Manual or electrical driven wavelength switch 266 nm / 532 nm	
	External telescope (e.g. M=5)	
	Manual attenuator (on request)	
	Stand alone system (CDRH compliant)	

Laser Head and Controller



OEM-Controller



Laser Safety Labels

The FQSS266-200 lasers are class 4 according to IEC 60825-1:2007

