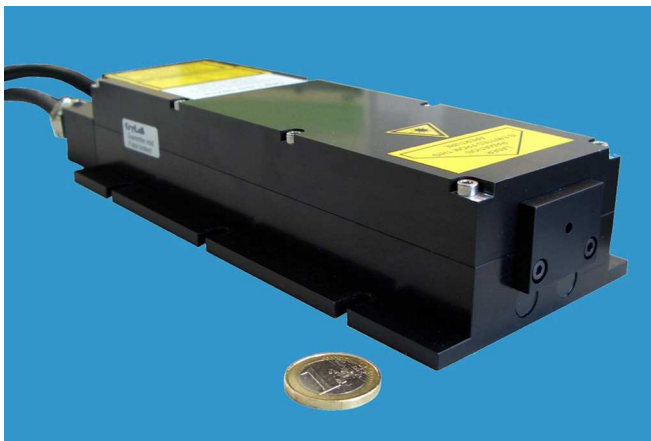


FQSS 266-200

Diode pumped passively Q-switched solid state laser

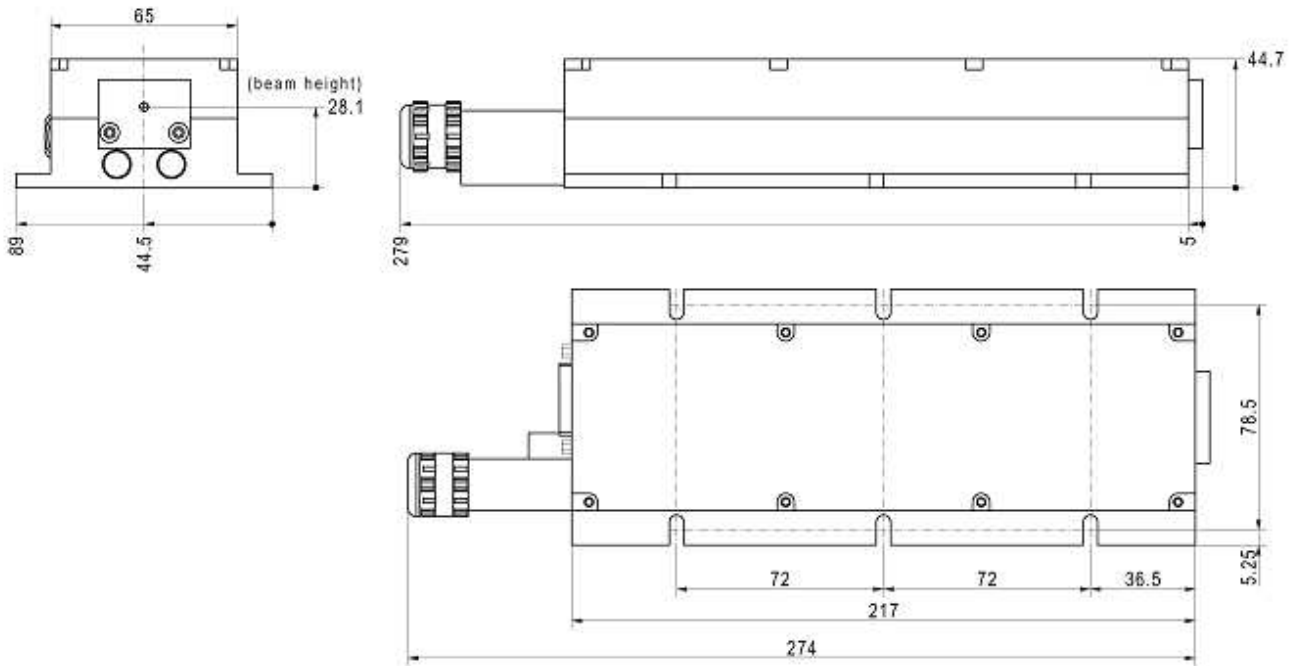
- 266 nm
- single pulse
- < 1.5 ns
- 1 – 60 Hz
- > 200 µJ



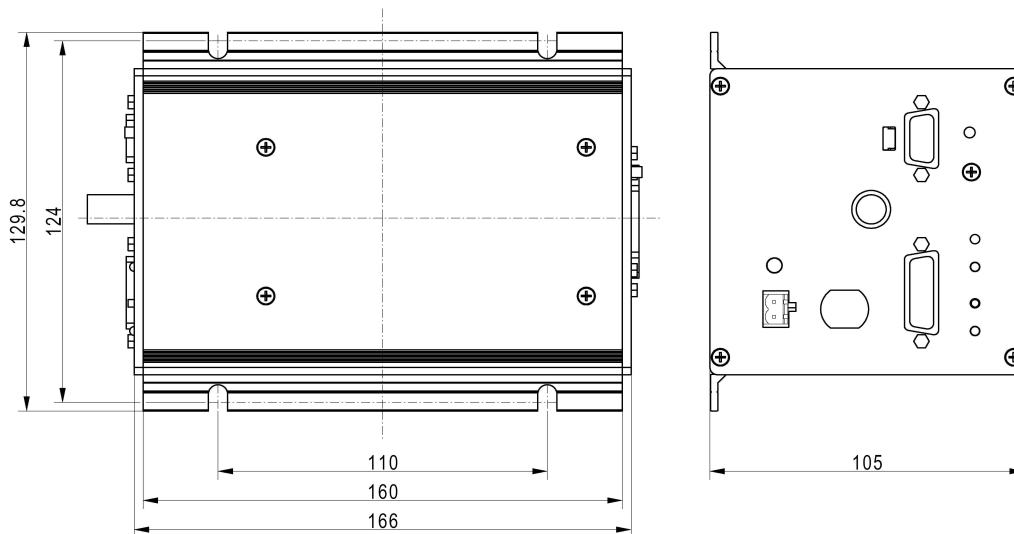
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Optical Data	Wavelength	266 nm
	Beam Divergence (full angle)	< 3.0 mrad
	Beam Ellipticity	< 2:1
	Waist Diameter	500 ± 150 µm (located at about 110mm inside the laser head)
	Beam Diameter	800 ± 300 µm (at laser exit)
	Peak Power	> 130 kW @ 20 Hz
	Pulse 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 or electrical beam blocker	
	Manual or electrical driven wavelength switch 266 nm / 532 nm	
	External telescope (e.g. M=5)	
	Manual or electrical attenuator	
	Stand Alone System (incl. key-switch, heat-sink, manual shutter; CDRH compliant)	

Laser Head and Controller



OEM-Controller



Laser Safety Labels

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

**INVISIBLE
LASER RADIATION
AVOID EXPOSURE TO BEAM
CLASS 4 LASER PRODUCT**



wavelength: 266 nm
max. Output: 400 µJ
pulse duration: 1 ns
max. repetition rate: 60 Hz

Complies with IEC 60825-1:2007
Complies with 21 CFR 1040.10 and 1040.11 except for deviations
pursuant to Laser Notice No.50, dated July 26, 2001