

Series CL200

20 Watt 1064 nm



CL200-1064

Applications

- rapid prototyping
- micro-machining
- thin film structuring
- marking, trimming
- gray-scale photoprinting

Features

- high repetition rate solid state diode-pumped Q-switched laser
- air-cooled, compact laser for micro and precision processing
- no additional cooling unit required
- excellent beam quality
- short pulses at high repetition rates
- high peak power
- first pulse suppression by fast energy modulation
- high reliability for 24/7 operation
- ports for TTL, analog and RS 232 control
- cost-effective operation
- customised modifications possible

Model	CL 200-1064
Wavelength	1064 nm
Power	22 W cw 20 W @ 50 kHz 10 W @ 20 kHz
Pulse Repetition Rate	1 ... 400 kHz
Pulse Width	25 ns @ 50 kHz 15 ns @ 20 kHz
Pulse Energy	400 µJ @ 50 kHz 500 µJ @ 20 kHz
Beam Quality	$M^2 < 1,2$
Polarisation	linear
Dimension Laserhead (W/H/L)	80 mm × 138 mm × 495 mm
Dimension Power Supply (W/H/L)	19 Inch, 3 RU
Power Consumption	110 ... 240 V, 50 ... 60 Hz, 300 W
Operating Temperature	15 ... 35 °C

Series CL200

6 Watt 532 nm
2 Watt 355 nm



CL200-532/355

Applications

- rapid prototyping
- micro-machining
- thin film structuring
- marking, trimming

Features

- high repetition rate solid state diode-pumped Q-switched laser
- 532 nm and 355 nm available
- air-cooled, compact laser for micro and precision processing
- no additional cooling unit required
- excellent beam quality
- short pulses at high repetition rates
- high peak power
- first pulse suppression by fast energy modulation
- high reliability for 24/7 operation
- ports for TTL, analog and RS 232 control
- cost-effective operation
- customised modifications possible

Model	CL 200-532	CL 200-355
Wavelength	532 nm	355 nm
Power	6 W @ 20 kHz	2 W @ 20 kHz
Pulse Repetition Rate	1 ... 100 kHz	
Pulse Width	15 ns @ 20 kHz	15 ns @ 20 kHz
Pulse Energy	300 µJ @ 20 kHz	100 µJ @ 20 kHz
Beam Quality	$M^2 < 1,4$	$M^2 < 1,4$
Polarisation	linear	
Dimension Laserhead (W/H/L)	132 mm × 116 mm × 530 mm	
Dimension Power Supply (W/H/L)	19 Inch, 3 RU	
Power Consumption	110 ... 240 V, 50 ... 60 Hz, 300 W	
Operating Temperature	15 ... 35 °C	