

Series CL240 *short pulse*



60 Watt 1064 nm

**High rep. rate
pulse-to-pulse energy modulation**

Applications

- pulse-to-pulse addressable pulse energy up to 400kHz repetition rate
 - high repetition rate solid-state diode pumped Q-switched laser in oscillator-amplifier configuration
 - short pulses at high repetition rates
 - excellent beam quality
 - 1064 nm , 532 nm (*)355 nm available soon)
 - compact laser for micro and precision processing
 - ports for TTL, analog and RS 232 control
 - cost-effective operation
 - customised modifications possible
- grayscale laser printing
 - micro-machining
 - marking, thin film structuring, trimming



Model		CL 240 - 1064	CL 240 - 532
Wavelength		1064 nm	532 nm
Pulse Repetition Rate		1 ... 400 kHz	
Pulse Width @	20 KHz	10 ns	8 ns
	50 kHz	12 ns	10 ns
	100 kHz	20 ns	15 ns
	200 kHz	25 ns	20 ns
Power @	20 kHz	30 W	20 W
	50 kHz	40 W	15 W
	100 kHz	50 W	15 W
	200 kHz	60 W	12 W
Beam Quality		M ² < 1,4	M ² < 1,5
Polarisation		Linear	
Dimension Laserhead (W/H/L)		260 mm × 138 mm × 500 mm (water cooled)	
Dimension Power Supply (W/H/L) without cooler		19 Inch, 3 RU (water cooled)	
Power Consumption		110 –240 V, 50–60 Hz, 2.000 W	
Operating Temperature		15 ... 35 °C	