

CP420 - Compact , Pulsed Nd:YAG



Features

- solid-state diode pumped actively Q-switched laser
- air-cooled, compact laser for micro and precision processing
- MW peak power
- short pulses
- pulse on demand
- ports for TTL and RS 232 control
- available @ 1064 nm, 532 nm (*355 nm on request)

Model	CP420-1064	CP420-532	CP420-355 (*)
Wavelength	1064 nm	532 nm	355 nm
PeakPower	5,0 MW	2,5 MW	1,0 MW
Pulse Repetition Rate	1 ... 100 Hz	1 ... 100 Hz	1 ... 100 Hz
Pulse Width (FWHM)	10 ns	10 ns	10 ns
Pulse Energy	50 mJ	25 mJ	10 mJ
Beam Quality	M ² < 5	M ² < 5	M ² < 6
Polarization	linear		
Pulse-to-Pulse Stability (rms)	< 3 %		
Dimension Laser Head (W/H/L)	300 mm × 125 mm × 75 mm		
Dimension Power Supply (W/H/L)	19" Rack, 3 HU		
Cooling	Base plate cooling		
Operating Temperature	15 ... 35 °C		

For customer specific solutions please feel free too contact us.