

CP420 - Compact , Pulsed Nd:YAG



fan cooled base plate (opt.)

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



Model	CP420-1064	CP420-532	CP420-355
Wavelength	1064 nm	532 nm	355 nm
PeakPower	2,5 MW	1,8 MW	0,7 MW
Pulse Repetition Rate	1 ... 100 Hz	1 ... 100 Hz	1 ... 100 Hz
Pulse Width (FWHM)	10 ns	8 ns	8 ns
Pulse Energy	25 mJ	15 mJ	6 mJ
Beam Quality	M ² < 5		
Polarization	linear		
Pulse-to-Pulse Stability (rms)	< 3 %		
Dimension Laser Head (W/H/L)	188 mm × 75 [130*] mm × 410 mm		
Dimension Power Supply (W/H/L)	19" Rack, 5 HU		
Cooling	base plate cooling [forced air cooling*]		
Operating Temperature	15 ... 35 °C		

* Forced air cooling opt. available
For customer specific solutions please feel free to contact us.