

NEW

Passively Q-Switched Nd:YAG/Cr:YAG Microchip Laser

Preliminary

Feature

- ✓ High peak power (MW)
- ✓ Pulsed (< 1 ns)
- ✓ Up to 2 mJ (100Hz)
- ✓ Internal and External Trigger Mode

Application

- ✓ Ablation
- ✓ Mass spectroscopy
- ✓ LIBS
- ✓ LIDAR
- ✓ Photo acoustic imaging

Specification

model	PQ01C	PQ02L	PQ03LL	PQ04LB
Wavelength	1064 nm	532 nm	355 nm	266 nm
Pulse Energy	> 2 mJ	> 1 mJ	> 1 mJ	> 0.2 mJ
Peak Power	> 2 MW	> 1.2 MW	> 1.6 MW	> 0.3 MW
Pulse Repetition Rate	100 Hz			
Pulse Width (FWHM)	<1 ns	<0.8 ns	<0.6 ns	<0.6 ns
Head Size	78 mm (W) X 82 mm (H) X 232 mm (L) : Water Cooled			
Power Supply Size	480 mm (W) X 249 mm (H) X 350 mm (L) : Water Cooled			
Line Voltage	100V ± 10% AC			
Power consumption	< 250 W			
Interface	USB			
External Trigger	TTL			

Option

- ✓ Collimate output
- ✓ Chamber mount
- ✓ Power Monitor
- ✓ 2- or 3- Band Output

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