



RGH-1064-70

High Repetition Rate IR ps Laser

Model	RGH-1064-70
Wavelength (nm)	1064 nm
Max Pulse Energy	up to 700 uJ
Average Power (W) @ 1 MHz	70 W
Pulse Width	<15 ps
Repetition Rate*	100kHz to 2 MHz
Pulse to Pulse Energy Stability @ 1MHz	<1.5% rms
M ²	<1.3
Beam Pointing Stability	<15 urad/°C
Long Term Power Stability (8h ±3°C)	<± 1% rms
Interface	Ethernet / USB (RS 232) / GUI / External TTL Triggering
Turn-on time	<15 min
Voltage (single phase)	100 to 120V or 200 to 240 V AC
Frequency	50 to 60 Hz
Cooling	Closed Loop Chiller
Dimensions (W x H x L)	12 in x 4.1 in [†] x 34 in
Relative Humidity	Non-condensing, 90% Max
Ambient Temperature	15° to 30°C (59° to 95°F) Operating Range

Notes:

The power supply and control electronics are integrated into the laser head. Control of the laser is through a laptop or PC running Photonics Industries' GUI software using RS232 commands via a USB connector.

† 4.1" includes height of desiccant

* Lower rep rates (down to single shot) achieved by selecting higher rep rate pulses with AOM

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Due to Photonics Industries' commitment to continuous product improvement, specifications and drawings are subject to change without notice.

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7,346,092; 7,082,149; 7,079,557; 6,999,483; 6,980,574; 6,961,355; 6,842,293; 6,762,405; 6,690,692; 6,587,487; 6,584,487; 6,366,596;
6,327,281; 6,356,578; 6,246,707; 6,229,839; 6,108,356; 6,061,370; 6,028,620; 5,936,938; 5,898,717 and Pending Patents

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