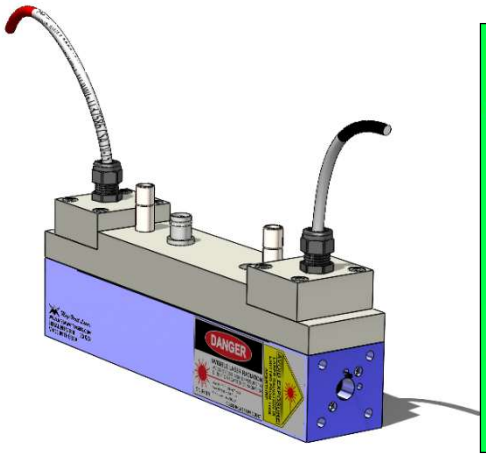
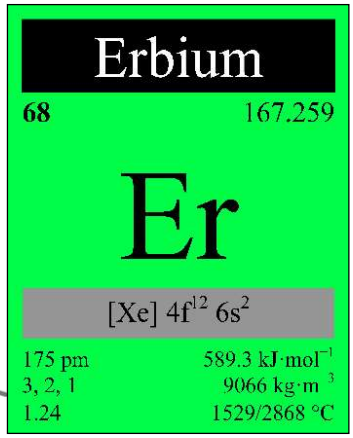
2.94μm SOLID-STATE 4X100C2-ERY Resonator





Parameter	Value	Notes
Wavelength	2.94 µm	
Resonator Output	30 W	10 – 30 Hz
Lamp Voltage	360- 700 V	@10 Hz & 500 µs typical
Pulse Width	100-500 µs	350 µs typical
Coolant Temp	25°C	Typical (deionized H2O)
Coolant Flow Rate	8 Liters/min	Configuration dependent
Coolant Resistivity	MΩ·cm	Coolant Conductivity: 1 – 5 µS/cm
Repetition Rate	5-30 Hz	Typical range
Dimensions	24 x 4.8 x 10.1 cm	Configuration dependent

- For more information, contact sales@megawattlasers.com

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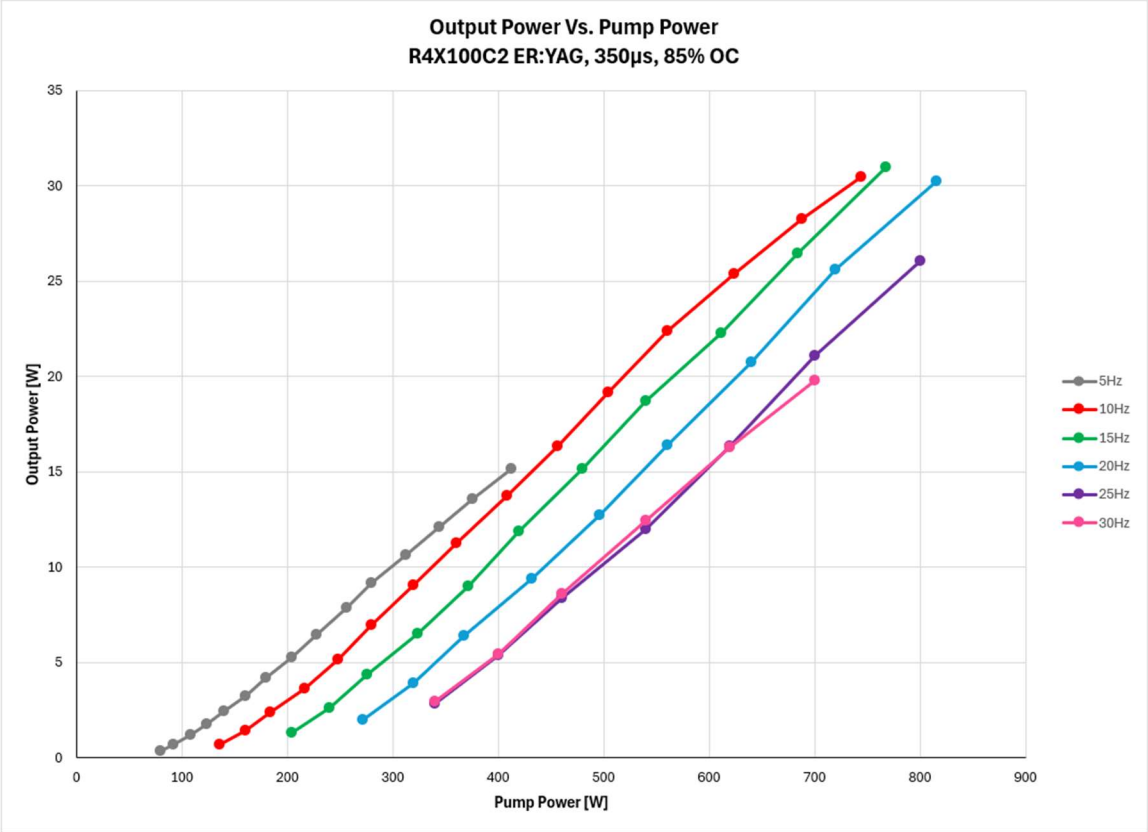
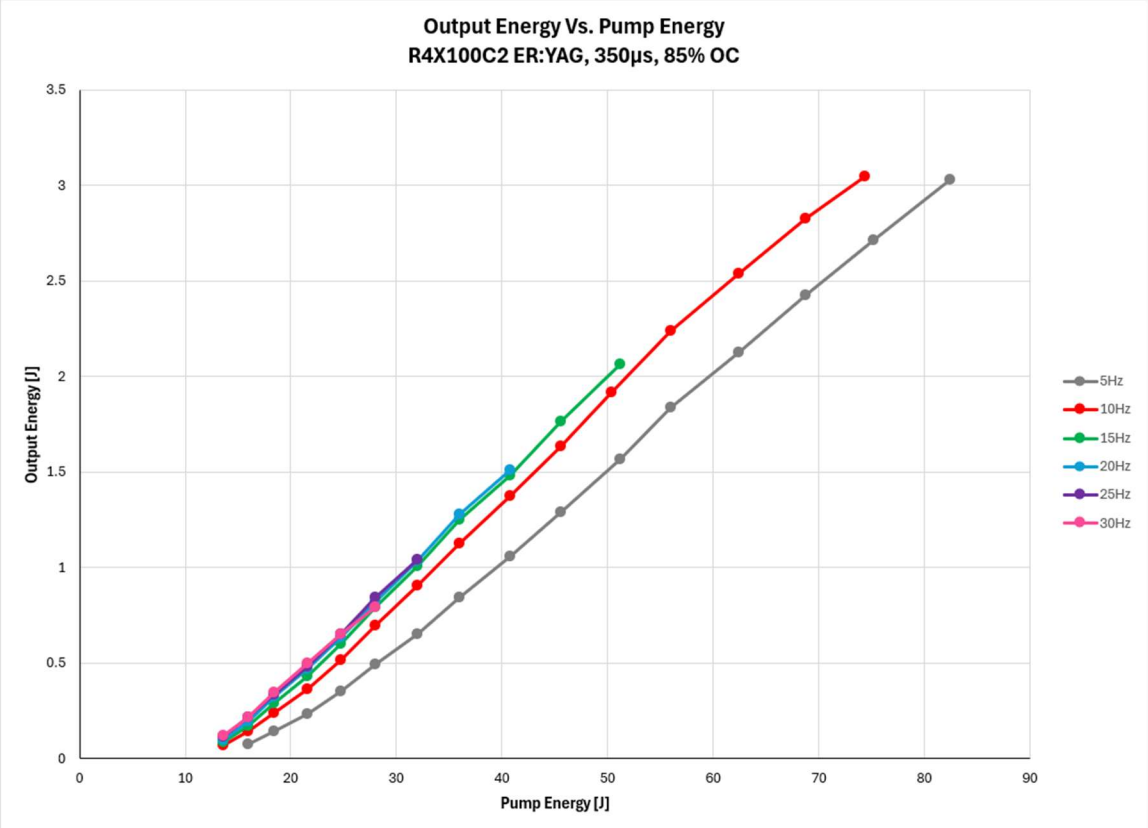

Output Power Vs. Pump Power
R4X100C2 ER:YAG, 350µs, 85% OC
Output Power [W]
Pump Power [W]
0
5
10
15
20
25
30
35
0
100
200
300
400
500
600
700
800
900
5Hz
10Hz
15Hz
20Hz
25Hz
30Hz


Output Energy Vs. Pump Energy
R4X100C2 ER:YAG, 350µs, 85% OC
Output Energy [J]
Pump Energy [J]
0
0.5
1
1.5
2
2.5
3
3.5
0
10
20
30
40
50
60
70
80
90
5Hz
10Hz
15Hz
20Hz
25Hz
30Hz