

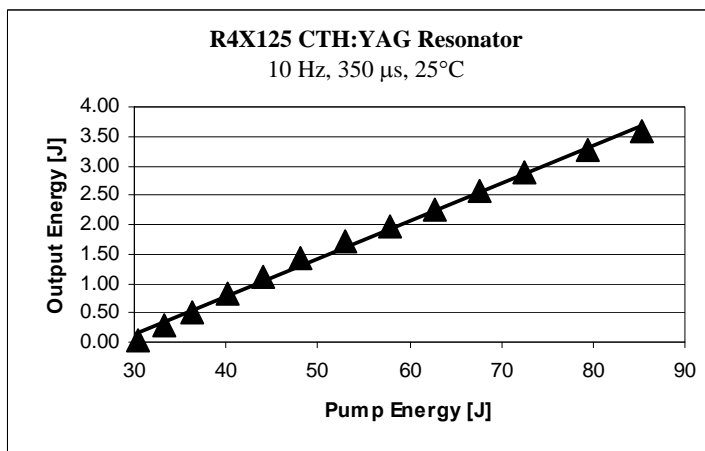


## 30 Watt 2.1 $\mu$ m SOLID-STATE RESONATOR



### Compact, Room-Temperature Water-Cooled, Flashlamp-Pumped Ho:YAG Resonator Assembly

MegaWatt Lasers is pleased to offer its newest product - off-the-shelf laser resonator assemblies. These resonators are intended for OEM's or R&D applications. Laser assemblies include: pump chamber, flashlamp, laser rod, trigger electronics, and resonator optics tailored for the specific application. Also available are resonator assemblies using other solid-state laser media, such as Er:YAG, Er:Glass, Nd:YAG, Nd:Glass, Ruby, and Alexandrite. MegaWatt Lasers also offers custom resonators with average powers up to 60 W (2.1  $\mu$ m) and 200W @ (1.06  $\mu$ m) as well as turnkey systems.

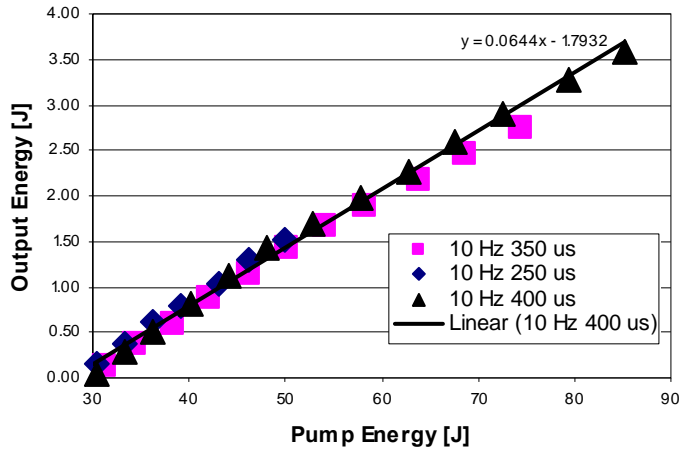


### Specifications

Parameter	Nominal Value
Wavelength:	2.1 $\mu$ m
Pulse Energy:	3 J
Pulse Width:	350 $\mu$ s
Average Power:	30 W
Laser Head Dim.:	5 X 8 X 27 cm
Slope Efficiency:	5.1%
Coolant Temp.:	25°C



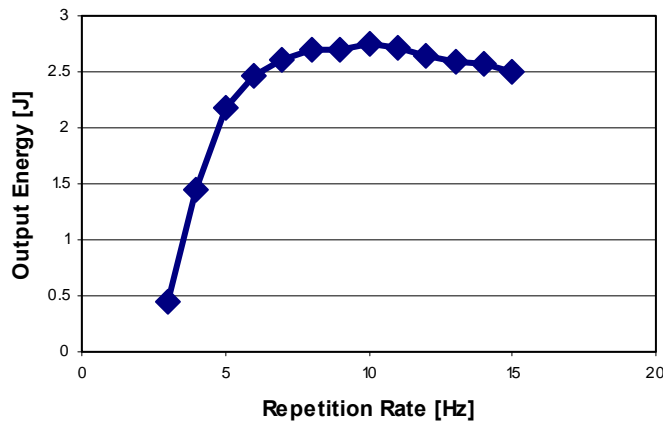
R4X125 CTH:YAG Resonator  
25°C



**R4X125 CTH:YAG Resonator**

Ho:YAG Rod (Standard Doping)  
25°C Coolant  
8 l/min Flow  
Variable pulse width  
Variable pump energy

R4X125 CTH:YAG Resonator  
65 J Pump, 350 μs, 25°C



**CWL4X127-01 Resonator**

Ho:YAG Rod (Standard Doping)  
25°C Coolant  
350 μs Pump Pulse  
65 J Pump Energy  
8 l/min Flow  
Variable repetition rate