



KIGRE, INC.

AO-1010



10Hz, ~10mj, 6ns

AO/Q-Switched Diode Pumped Eye-Safe Laser

Diode Pumped Solid State (DPSS) High Efficiency Side Pumped (HESP) Laser

Kigre offers a new compact high efficiency diode pumped erbium glass laser designated AO-1010.

The laser produces ~10mj Q-switched pulses 1534nm at 10 Hz. The laser head is shown in the picture. Performance data is shown in the table below.



New Product!

<i><u>Preliminary Specifications</u></i>	
Laser Wavelength	1534 nm
Pump Voltage & Amps	12V, 100A
Output Energy	~ 10mj
Laser Output Pulsewidth	~6ns
Raw Beam Diameter	0.8mm
Beam Divergence	~ 4.2mrad
Beam Wander	<0.5mrad
Pulse Rep-rate	10 Hz
Laser Head Size	1.4"x 2.2"x 5.0"
Laser Head Weight	~ 610 grams
Operating Temperature Range	-30 to +50 °C
Storage Temperature Range	-55 to +90 °C
*See Example Duty Cycle Information	
Spectral Bandwidth FWHM 4.5nm	10% points 8nm