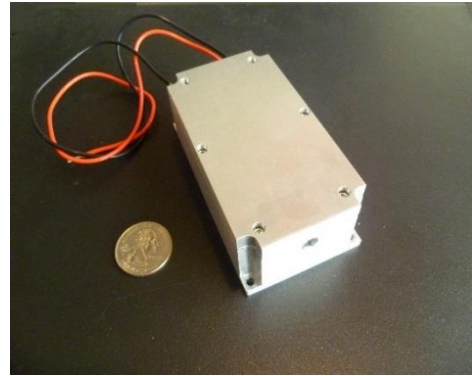


# AO-610

## 10Hz, 6+mJ, 6ns

**“Eye-safe” 1.54  $\mu\text{m}$   
diode pumped actively  
q-switched Erbium glass  
laser transmitter.**



|                                 |                      |
|---------------------------------|----------------------|
| Wave length                     | 1535 nm              |
| Laser Energy                    | 6+ mJ                |
| Pulse Repetition Rate           | 10 Hz                |
| Laser Pulse Width               | $\approx 6$ ns       |
| Raw Beam Diameter               | 0.8 mm               |
| Beam Divergence                 | $\approx 4.2$ mrad   |
| $M^2$                           | $\approx 1.7$        |
| Beam Wander                     | $< 0.5$ mrad         |
| Laser Head Size (in inches)     | 1.2 x 2.0 x 3.7      |
| Laser Head Size (in cm)         | 3.05 x 5.08 x 9.39   |
| Laser Head Weight               | $\approx 290$ g      |
| Laser Operational Temperature   | -35 to +71 C         |
| Laser Storage Temperature       | -55 to +90 C         |
| Electrical Requirements         | 8 V, 100 A, $< 3$ ms |
| Conductive Cooling requirements | $< 24$ W             |