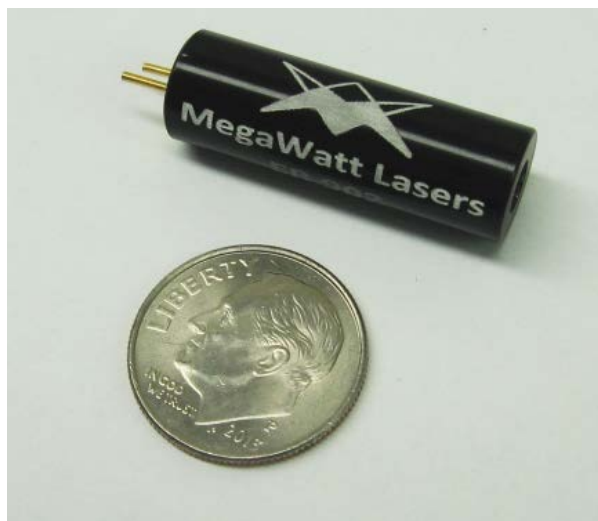




*MegaWatt Lasers*

Application Specific Lasers

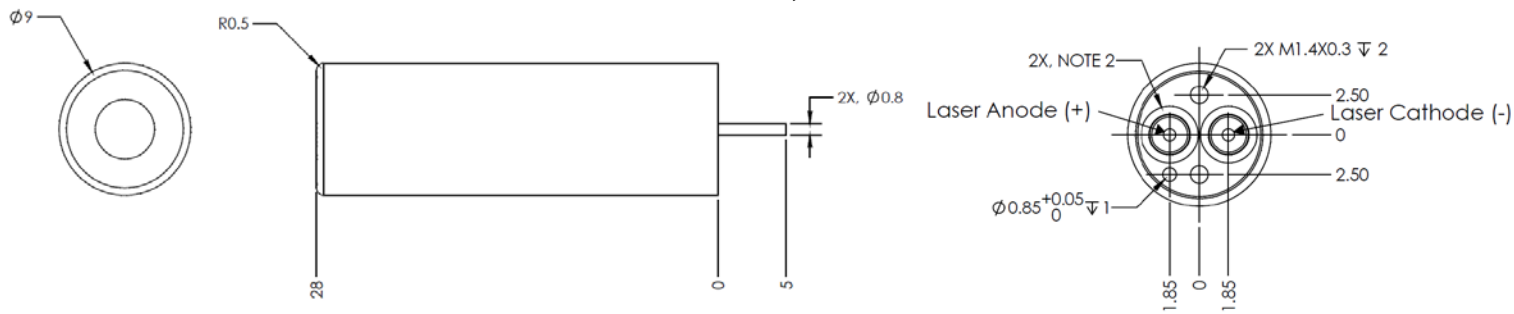
## ER902 MINIATURE SOLID-STATE LASER



Diode-Pumped, Passively Q-Switched, Er:Glass Laser Packaged

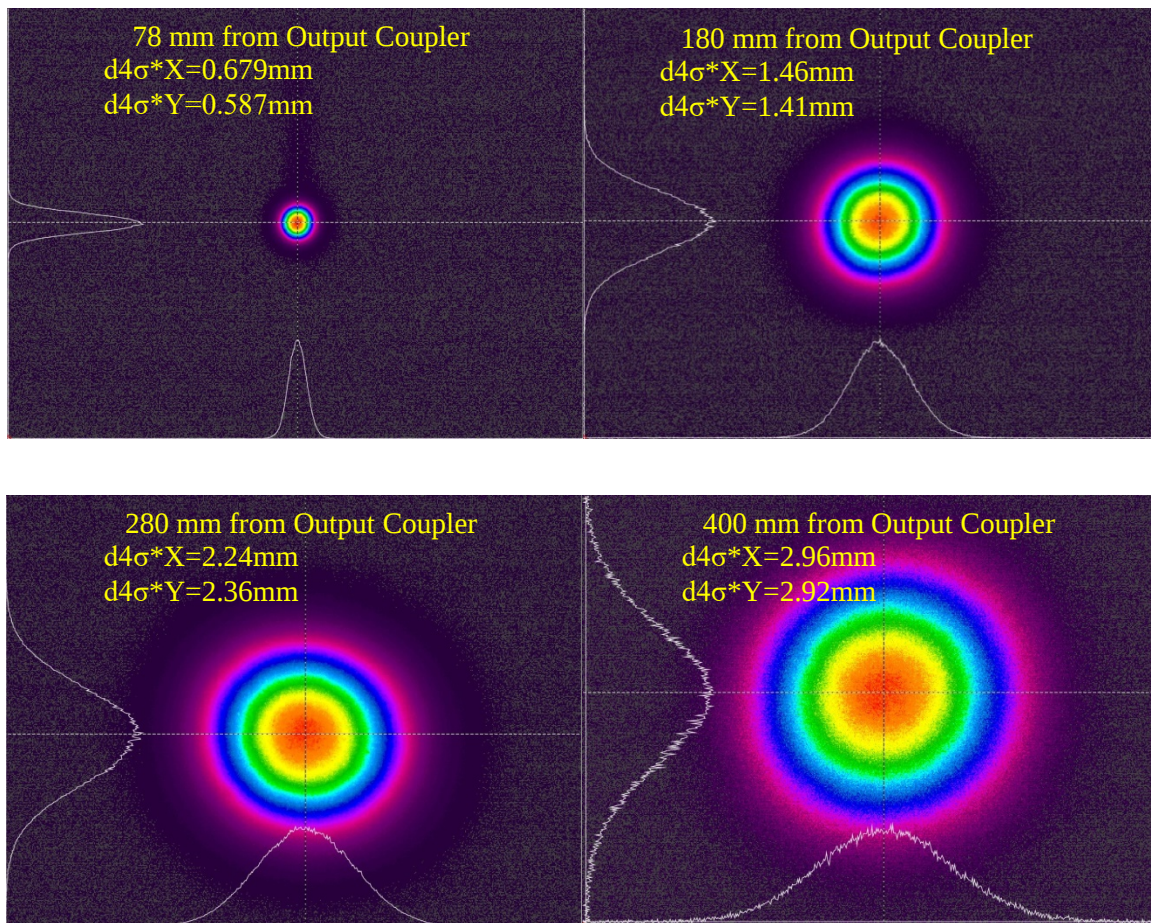
### Standard Specifications

| Parameter                | Nominal Value                                 |
|--------------------------|-----------------------------------------------|
| Wavelength:              | 1.535 $\mu\text{m}$                           |
| Pulse Energy:            | 200 $\mu\text{J}$ nominal                     |
| Pulse Width:             | Approx. 4 ns                                  |
| Build up time:           | ~2.0 mS typical                               |
| Peak Power:              | 50-75 kW                                      |
| Repetition Rate:         | Single Shot to 10 Hz<br>Burst mode available  |
| Operational Temperature: | -40 to 65° C                                  |
| Beam Quality:            | TEM <sub>000</sub> , Near Diffraction Limited |
| Divergence:              | ~7 mRad                                       |
| Power Requirement:       | ≤6 Amp Pulse, 2V                              |
| Standby Power            | <i>not required</i>                           |
| Cooling                  | <i>not required</i>                           |
| Power Requirement:       | ≤6 Amp Pulse, 2V                              |
| Lead solder              | 320°C, 10 Sec maximum                         |



For more information contact: [sales@megawattlasers.com](mailto:sales@megawattlasers.com)

## Beam Propagation, ER902



$d4\sigma$  Divergence  $\approx 7\text{mRad}$

