

## MegaWatt Lasers CTH:YAG (2.08 $\mu$ ) Rods



These laser rods are of the highest quality standard available. They are used in our laser resonators. They can be purchased as replacements for these resonators. They are made in the USA and are usually in-stock. Custom sizes may be available upon request.

### Standard Specifications

**Material**

Host  
Dopants

**Composition**

Yttrium Aluminum Garnet (Y<sub>3</sub>Al<sub>5</sub>O<sub>12</sub>)  
Chromium (Cr<sup>3+</sup>) = 0.85%  
Thulium (Tm<sup>3+</sup>) = 5.9%  
Holmium (Ho<sup>3+</sup>) = 0.36%

**Dimensions**

4 X 127 mm  
4 X 127 mm  
\*

**End Configuration**

40 cm Concave Radius  
60 cm Concave Radius

**Part Number**

**C582-OR**  
**C842-OR**  
Custom radii available upon request

**Parameter**

Perpendicularity  
Parallelism  
Surface Quality  
Coating  
Laser Damage Threshold (LDT)

**Value**

≤ 5 arc minutes  
≤ 30 arc seconds  
10-5 scratch-dig  
Anti-Reflective (AR) ≤ 0.25% @ 2.08  $\mu$   
≥ 10 J/cm<sup>2</sup>