

MegaWatt Lasers Er:YAG (2.94 μ) 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
Dopant

Composition

Yttrium Aluminum Garnet (Y₃Al₅O₁₂)
Erbium (Er³⁺) 50%

Dimensions

4 X 101.6 mm

Part Number

C760-OR

Parameter

End Configuration
*
Perpendicularity
Parallelism
Surface Quality
Coating
Laser Damage Threshold (LDT)

Value

Flat within $\lambda/10$ wave at 633 nm
Custom radii available upon request
 ≤ 5 arc minutes
 ≤ 30 arc seconds
10-5 scratch-dig
Anti-Reflective (AR) $\leq 0.25\%$ @ 2.94 μ
 ≥ 10 J/cm²