

MegaWatt Lasers Nd:YAG (1.064 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 ($Y_3Al_5O_{12}$)
Neodymium (Nd) = 1.1%
Custom dopant concentration available upon request

Dimensions

6.35 X 152 mm
*

End Configuration

1.2°// tilts

Part Number

C540-OR
Custom configuration available upon request

Parameter

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

Value

Flat within $\lambda/10$ wave at 633 nm
10-5 scratch-dig
 ≤ 10 arc seconds
Anti-Reflective (AR) $\leq 0.25\%$ @ 1.064 μ
 ≥ 10 J/cm²