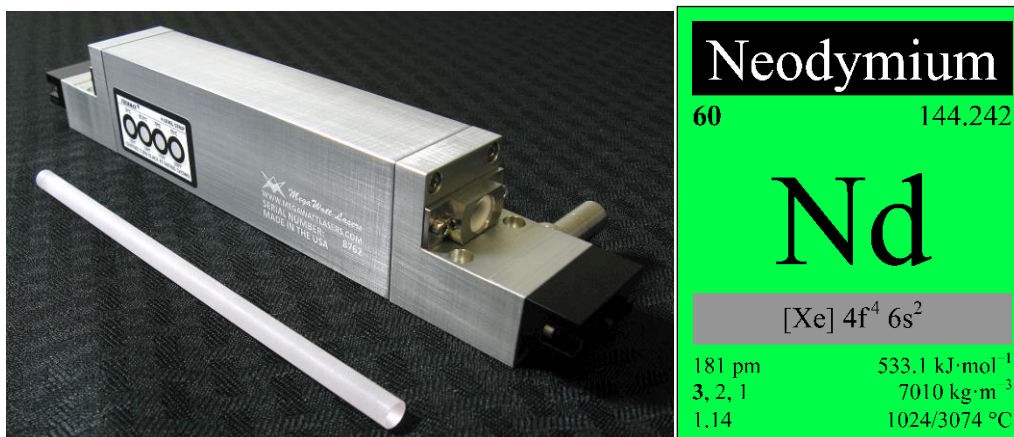


Nd:YAG (1.064 μm) Rods



These laser rods are of the highest quality standard available. They come standard with high damage threshold coatings and premium wavefront distortion specifications. These are used in our laser resonators and can be purchased as replacements for these resonators. All are made 100% in the USA and are usually in-stock. Custom sizes are available upon request.

Stock rods: (see www.megawattlasers.com for more detailed specifications)

Material	Size	Wavelength	End configuration	Part #
Nd:YAG	6.35 X 152 mm	1064 nm	1.2°//canted, F/F	C540
Material	Composition	Percentage	Parameter	Value
Host	Yttrium Aluminum Garnet ($\text{Y}_3\text{Al}_5\text{O}_{12}$)		End Configuration	Flat within $\lambda/10$ wave at 633 nm
Dopant	Neodymium (Nd)	1.1%	Wavefront Distortion	$\lambda/16$ per inch of rod length
Custom doping available on request			Parallelism	≤ 10 arc seconds
			Surface Quality	10-5 scratch-dig
			Coating	Anti-Reflective (AR) $\leq 0.25\%$ @ 1.064 μm
			Laser Damage Threshold (LDT)	$\geq 10 \text{ J/cm}^2$

