

## Nd:Ce:YAG Crystals

The Nd:Ce:YAG crystal is an excellent material used for non-water cooled and miniature laser systems. We maintain the highest standards of quality and can deliver products to your exact specifications. You are assured of the highest possible consistency and precision every time. Contact Customer Service or your Sales representative for more information.



### Advantages

High efficiency  
 Low Threshold  
 High Optical Quality  
 Low Loss  
 Good Thermal Stability

### Materials and Specifications:

<b>Dopent Concentration:</b>	Nd 1.1-1.4%, Ce 0.05-1.1%
<b>Orientation:</b>	(111) or (100) within 5°
<b>Waveform :</b>	$\lambda / 10$
<b>Extinction Ratio:</b>	> 28db
<b>Rod Size:</b>	dia. 2 ~ 15mm, length 3~200 mm
<b>Dimensional Tolerance:</b>	dia. +0.000"/-0.002, length $\pm 0.02$ "
<b>Barrel Finish:</b>	ground finish 400# grit
<b>Parallelism:</b>	$\leq 10$ "
<b>Perpendicularity:</b>	$\leq 5'$
<b>Flatness:</b>	$\lambda / 10$
<b>Surface Quality:</b>	10 -5(MIL-O-13830A)
<b>Chamfer:</b>	0.006" $\pm$ 0.002" @45° $\pm$ 5°
<b>AR Coating Reflectivity:</b>	$\leq 0.25\%$ (@1064nm)
<b>Rod Sizes:</b>	Dia. 3 to 6 mm, 40 to 80mm long *

*\*Contact us for special sizes.*

Contact New Source for all your Crystal Needs

