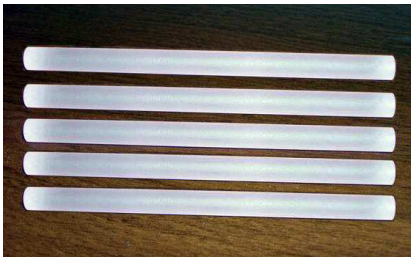
Laser Rod

Laser rods are used as laser media in the generation of a laser beam through stimulated emissions.



Specifications	
Dimension Tolerance	Dia,+0/-0.025mm; L, +0.5mm
Nd dopant concentration	1.0-1.1at% (+0.1at%)
Orientation	<111> crystalline direction
Flatness	lambda/10@633nm
Surface quality	s/d,10/5(before coating); s/d,20/10(after coating)
Chamfer	<0.13(+0.08)mm@45deg; Cracks: <0.1mm

Part No.	Dia (mm)	Length (mm)	Remark
YAGROD-3*120	3.0	120.0	1.0-1.1%Nd dopant, Ends flat/flat with AR@1064nm
YAGROD-4*108	4.0	108.0	1.0-1.1%Nd dopant, Ends flat/flat with AR@1064nm
YAGROD-4*120	4.0	120.0	1.0-1.1%Nd dopant, Ends flat/flat with AR@1064nm
YAGROD-6.35*105	6.0	105.0	1.0-1.1%Nd dopant, Ends flat/flat with AR@1064nm
YAGROD-6.35*125	6.0	125.0	1.0-1.1%Nd dopant, Ends flat/flat with AR@1064nm
YAGROD-6.35*154	6.4	154.0	1.0-1.1%Nd dopant, Ends flat/flat with AR@1064nm
YAGROD-7*100	7.0	100.0	1.0-1.1%Nd dopant, Ends flat/flat with AR@1064nm
YAGROD-7*162	7.0	162.0	1.0-1.1%Nd dopant, Ends flat/flat with AR@1064nm
YAGROD-7*165	7.0	165.0	1.0-1.1%Nd dopant, Ends flat/flat with AR@1064nm
YAGROD-8*110	8.0	110.0	1.0-1.1%Nd dopant, Ends flat/flat with AR@1064nm
YAGROD-8*165	8.0	165.0	1.0-1.1%Nd dopant, Ends flat/flat with AR@1064nm
YAGROD-8*195	8.0	195.0	1.0-1.1%Nd dopant, Ends flat/flat with AR@1064nm

NOTE: Laser Rod of different specs are available upon request