

TGG

Key Material for Optical Isolator in Fiber Laser

Features

✓ Large Size Boule

Diameter: up to 2.5"

Length: up to 80 mm

✓ Extinction Ratio

Typical: >35 dB

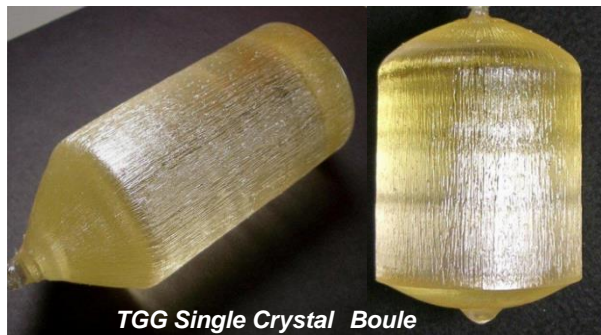
High Grade: >40 dB

✓ Verdet Constant

40 rad/T/m at 1064 nm

✓ Refractive Index

1.95 at 1064 nm



TGG Single Crystal Boule



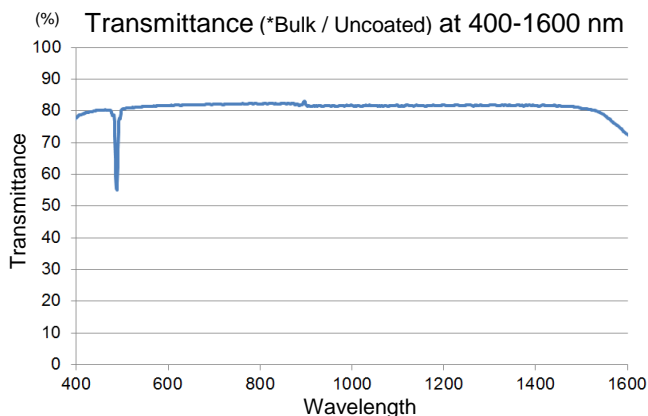
TGG Single Crystal Elements

Properties

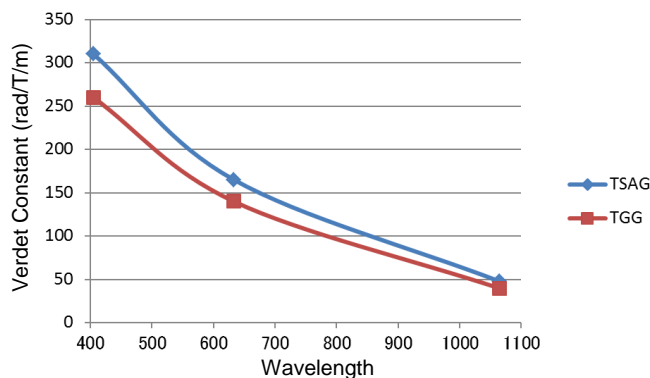
Crystal Structure: Cubic

Density: 7.2 g/cm³

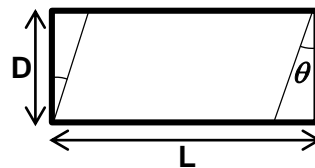
Lattice Constant: 1.23 nm



Verdet Constant vs. Wavelength at 400-1064 nm



Typical Dimensions of Element



Diameter	Length	Surface Angle	Coating
Up to 10 mm	Up to 30 mm	0- 0.5 deg.	1 μm

Contact for Custom Request

OXIDE

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