

# TSAG

*Key Isolator Material for Next Generation Fiber Laser*

## Features

- ✓ High Power Compliant  
**Low Thermally-Induced Birefringence**
- ✓ Large Verdet Constant
- ✓ Low Absorption



## Advantages of TSAG vs. TGG

*The Best Suited for High Power Use*

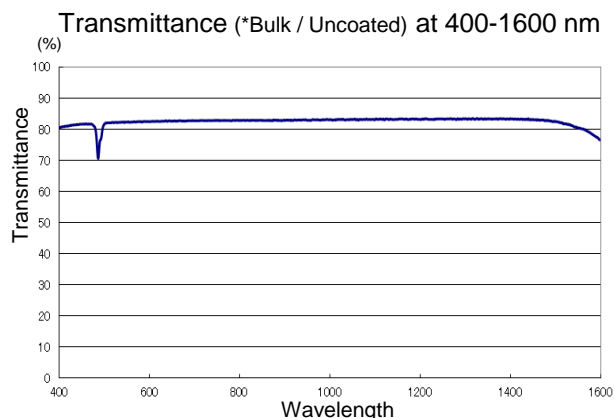


\* 48 rad/T/m at 1064 nm (reference: in-house measurement)

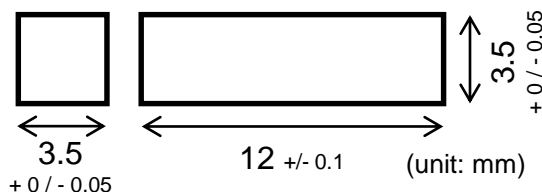
\*\* 3000 ppm/cm at 1064 nm (reference: measured with Model PCI-3 (Stanford Photo-Thermal Solutions))

## Properties

Crystal Structure: Cubic  
Density: 5.91 g/cm<sup>3</sup>  
Lattice Constant: 1.23 nm



## Element example



AR Coat: R<0.3% at 1064 nm  
Parallelism S1//S2: <3 arcmin.  
Extinction Ratio: >30 dB

**Contact for Custom Request**

**OXIDE**

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