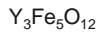


# YIG

## Key Isolator Material for Mid-IR

### Features

- ✓ High Purity
- ✓ Maximum Length:  $\geq 60$  mm
- ✓ Typical Diameter: 5 mm



### Advantages of FZ-Grown YIG

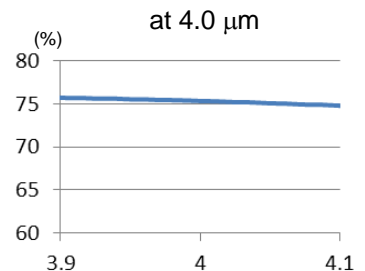
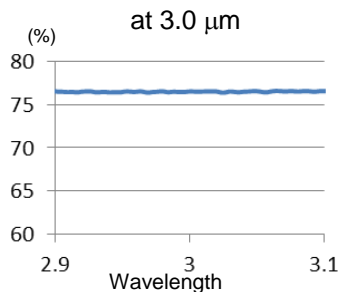
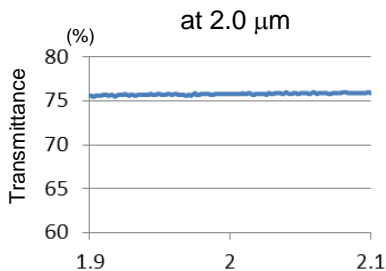
	FZ	Flux	Epi
Element Size	✓✓	✓	×
Purity	✓✓	×	✓
Volume Production	✓✓	×	✓
Orientation Control	✓	×	✓
Pb-free	✓✓	×	×

### Properties

Crystal Structure: Cubic

Density: 5.17 g/cm<sup>3</sup>, Lattice Constant: 1.24 nm

Transmittance (\*Bulk / Uncoated): >75% at 2-4  $\mu$ m, >70% at 4.5  $\mu$ m



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