

YIG($\text{Y}_3\text{Fe}_5\text{O}_{12}$) single crystal

Applications : Isolator Material for Near and Mid-IR

Crystal Growth Method : Optical Floating Zone Method

※By using Crystal Systems Corporation-made FZ furnace (10000-H series)

Crystal size : $\phi 5.5 \times \sim 80$ long (mm)



YIG single crystal



Four mirror optical floating zone furnace made by our company

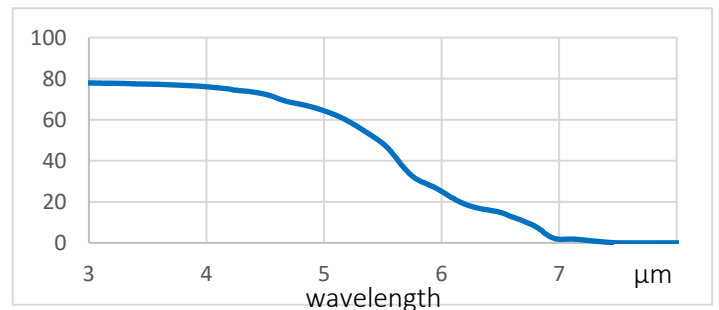
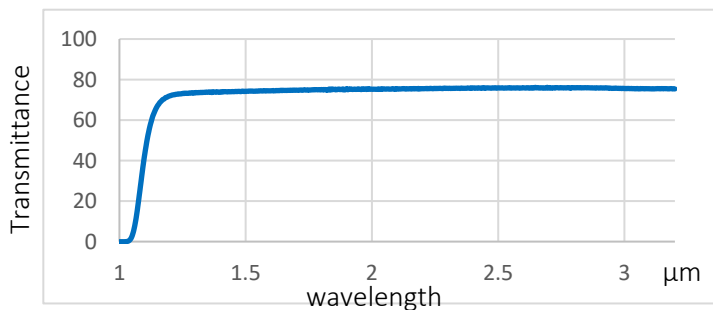
Properties ;

Crystal structure : cubic

Density : 5.18g/cm³

Lattice constant : 1.24nm

Transmittance : As shown below



Sample: thickness 2mm, mirror polish, uncoated

※The above is for reference only.



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