

Ti: SAPPHIRE CRYSTALS

Titanium doped Sapphire (Ti:Sapphire) is the most widely used laser crystal for widely tunable and ultrashort pulsed lasers with high gain and high power outputs.



Specification

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Orientation	Optical axis C normal to rod axis
Ti ₂ O ₃ Concentration	0.06 - 0.2wt %
Figure Of Merit	100~300 [>300 available on special requests]
Diameter	2-50mm or specified
Length	2-100mm or specified
End Configurations	Flat/Flat or Brewster/Brewster ends
Flatness	<λ/10 @ 633nm
Parallelism	<10 arc sec
Surface Finishing	10 / 5
Wavefront distortion	<λ/4 per inch