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LiIO₃ Crystal and Devices

Lithium Iodate (LiIO₃) is a uniaxial nonlinear optical crystal with high effective nonlinear optical coefficients and wide transparency range. It is ideal for harmonic generations in the low and medium power level laser systems.

Our LiIO₃ crystal features:

- As thin as 5x5x0.1mm devices are available
- Competitive price
- Mounting and re-polishing and re-coating Services
- Strict quality control
- Free technical support



LiIO₃ Crystal Grown in United Crystals



Polished LiIO₃ Devices

Our Standard Specifications for LiIO₃ Devices:

- Dimension tolerance: (W \pm 0.1 mm) x (H \pm 0.1 mm) x (L + 0.2 mm/-0.1mm)
- Transmitting wavefront distortion: less than $\lambda/2$ @ 633nm
- Clear aperture: > 90% central area
- Flatness: $\lambda/4$ @ 633nm
- Surface Quality: 20/10
- Parallelism: better than 20 arc seconds
- Perpendicularity: 5 arc minutes
- Angle tolerance(degree): D(θ) < \pm 0.5, D(ϕ) < \pm 0.5
- AR coating: upon request

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