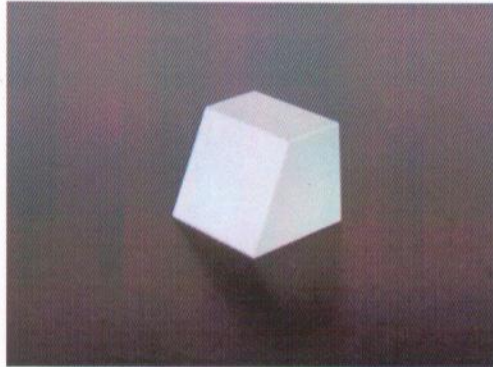


MgO:LN Prism for THz Generation

Cherenkov-type Phase Matched THz Wave Generation



Stoichiometric MgO:LiNbO₃

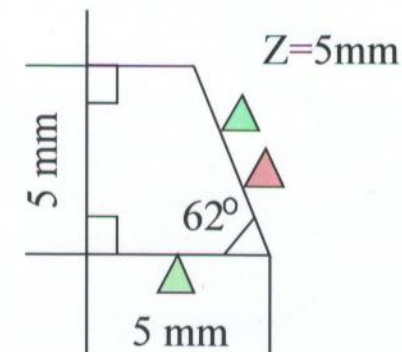
- Lower absorption for THz generation
- Higher damage threshold
- Low defect density

THz Generation with MgO:LiNbO₃

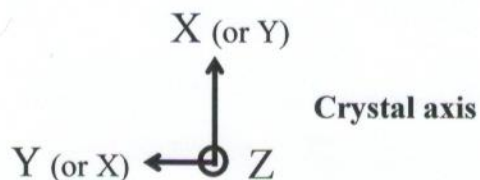
- Intense THz pulse generation (Max. 5nJ/cm²)
- 0.2 to 2.5THz by difference frequency generation

Typical Specifications

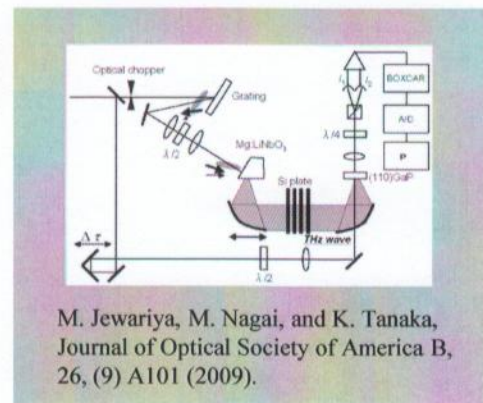
Material: MgO 1.3mol% Stoichiometric Lithium Niobate



<Tolerance> +/- 0.2mm



- ▲ **Optically Polishing Surface**
- ▲ **AR coating@800nm**



M. Jewariya, M. Nagai, and K. Tanaka, Journal of Optical Society of America B, 26, (9) A101 (2009).

*Custom are available upon request.

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