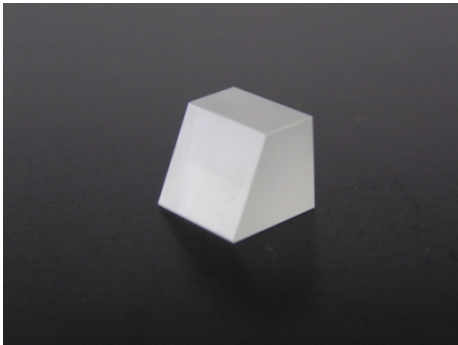


MgSLN Prism for THz Generation

Cherenkov-type Phase Matched THz Wave Generation



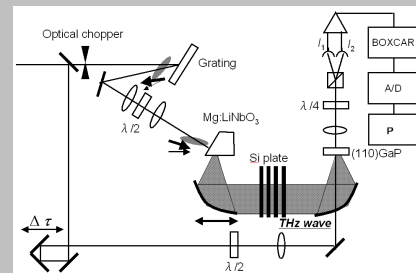
MgSLN Advantage

(MgSLN : Mg 1.3mol% doped stoichiometric LN)

- ✓ **Low Absorption for THz Generation**
- ✓ **High Damage Threshold**
- ✓ **Low Defect Density**

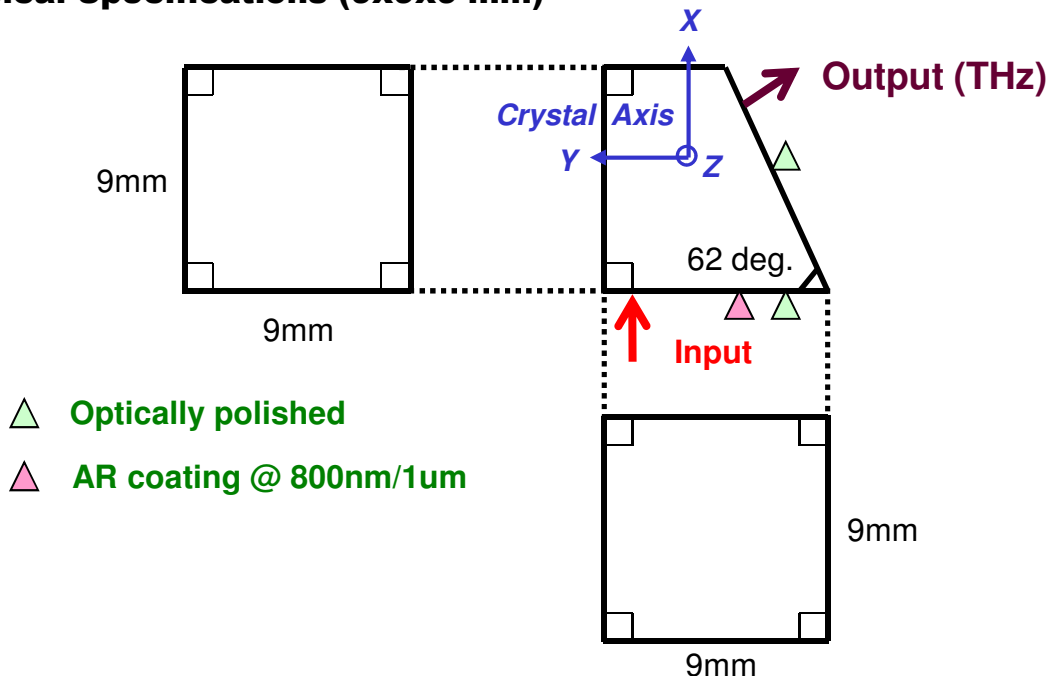
THz Generation with MgSLN

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



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

Typical Specifications (9x9x9 mm)



*Different size (e.g. 5x5x5 mm / 12x12x25 mm) is available.

*Different AR coating (e.g. 1064nm) is available.

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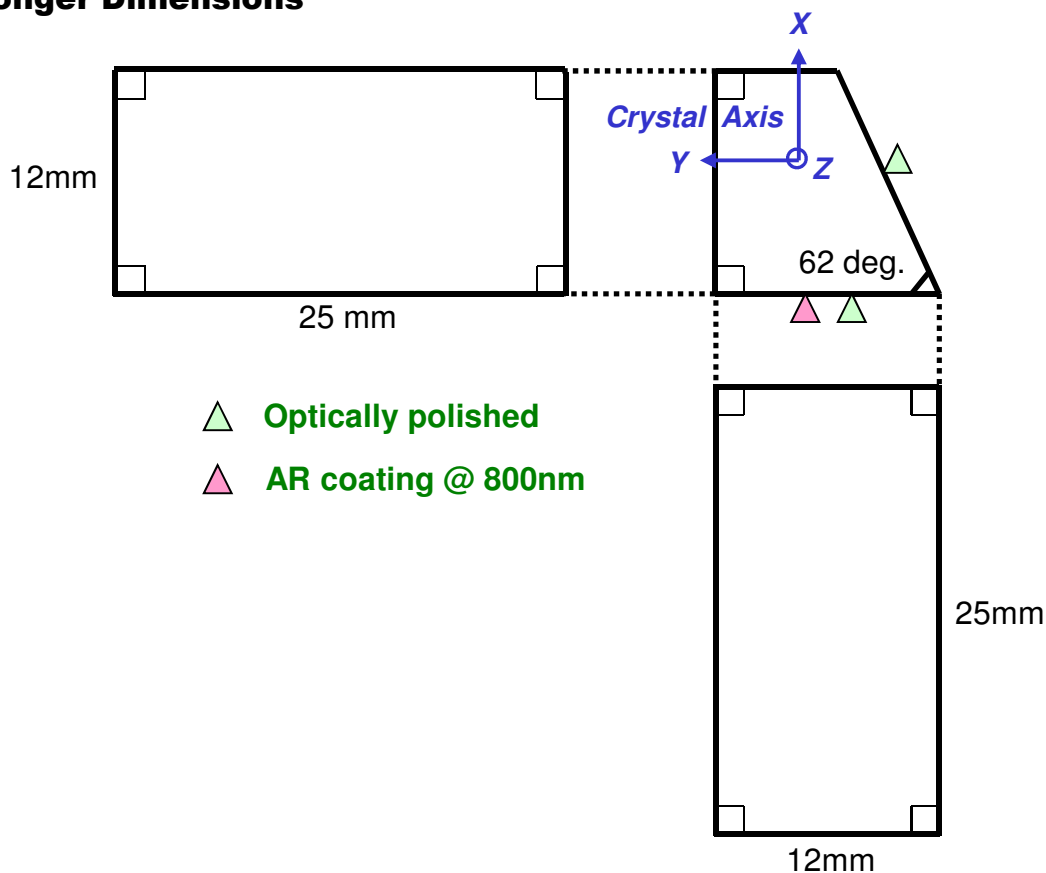
Tel: +81-551-26-0022, Fax: +81-551-26-0033

Sales@opt-oxide.com, <http://www.opt-oxide.com>

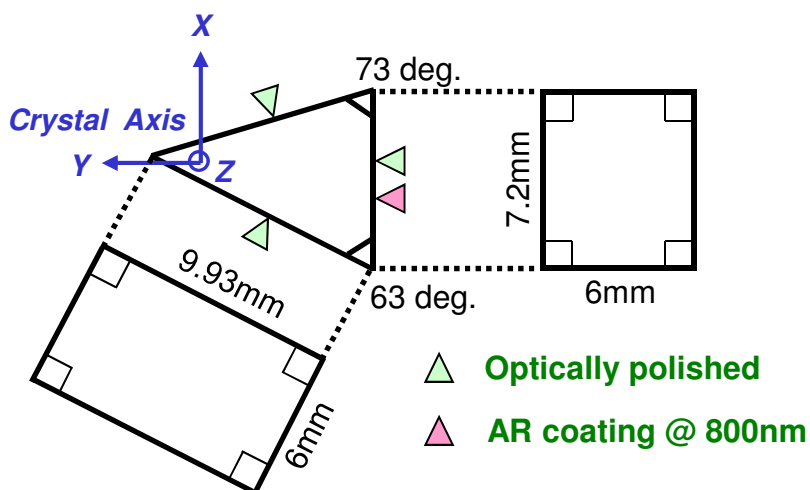
Contents are things of 8-Jan-2014.

Examples of Customization

Longer Dimensions



Triangle Dimensions



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