

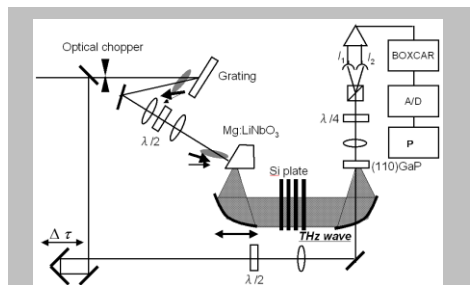
MgSLN Prism for THz Generation

Cherenkov-type Phase Matched THz Wave Generation

MgSLN Prism Advantages

(MgSLN : Mg 1.3mol% doped stoichiometric LiNbO₃)

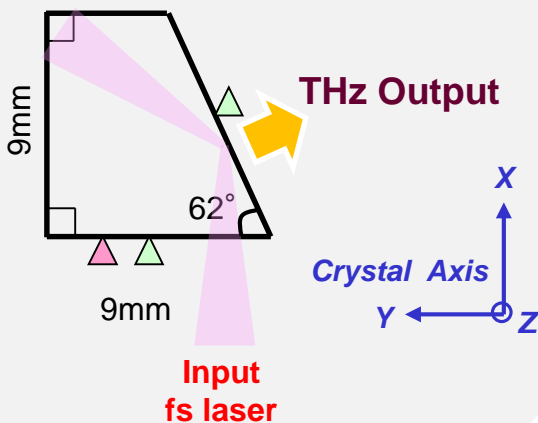
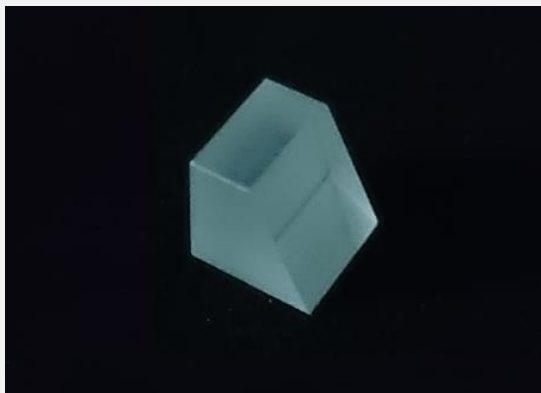
- ✓ **Easy setup for THz Generation**
- ✓ **Wide THz bandwidth (0.2~2.5 THz)**
- ✓ **Low Defect Density**
- ✓ **High damage threshold**



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

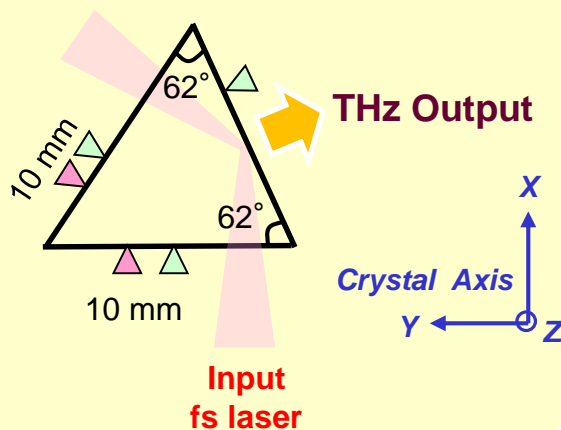
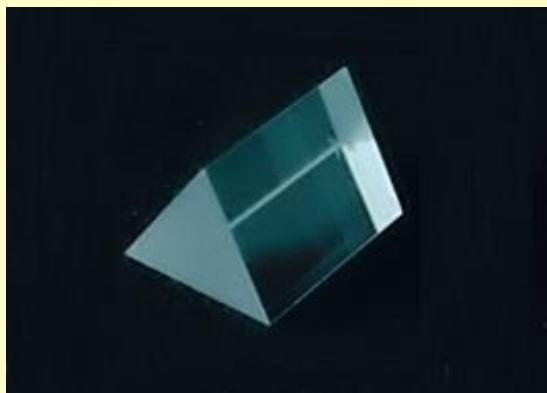
Standard Type 1 (BASIC)

(9 mm X 9 mm X 9 mm)



Standard Type 2 (NEW) (High power)

(10 mm X 10 mm X 12.5 mm)



△ **Optically polished**

▲ **AR coating**
(for Ti:Sapphire laser and 1μm fs fiber laser)
@ 780 - 820nm and @1025nm ~ 1065nm

OXIDE

Oxide Corporation



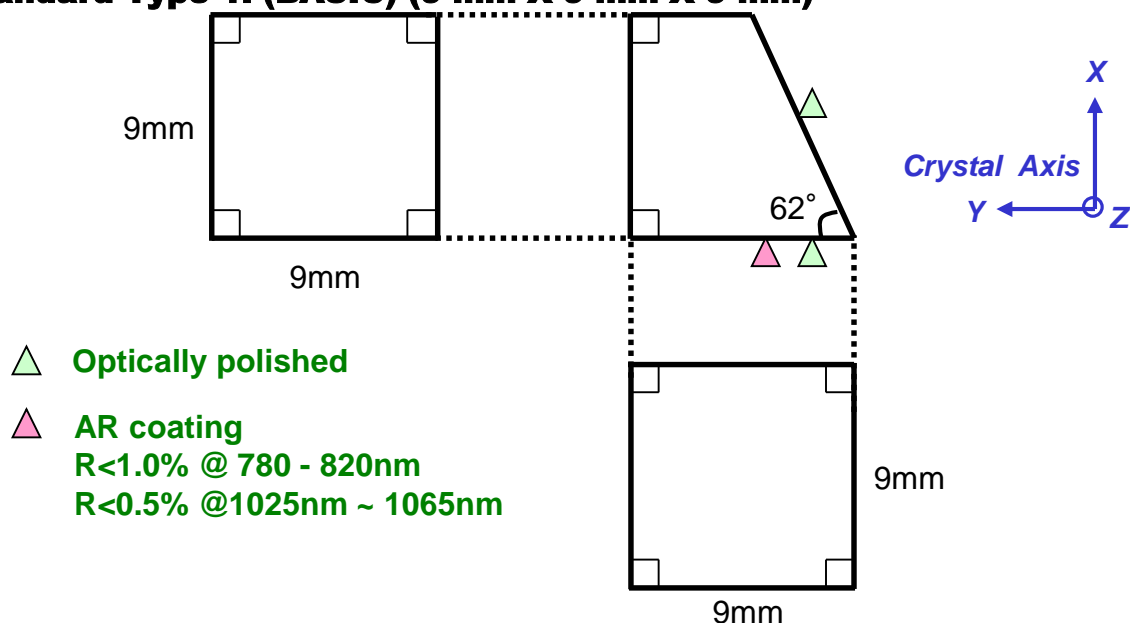
1747-1 Makihara, Mukawa, Hokuto, Yamanashi 408-0302 JAPAN

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

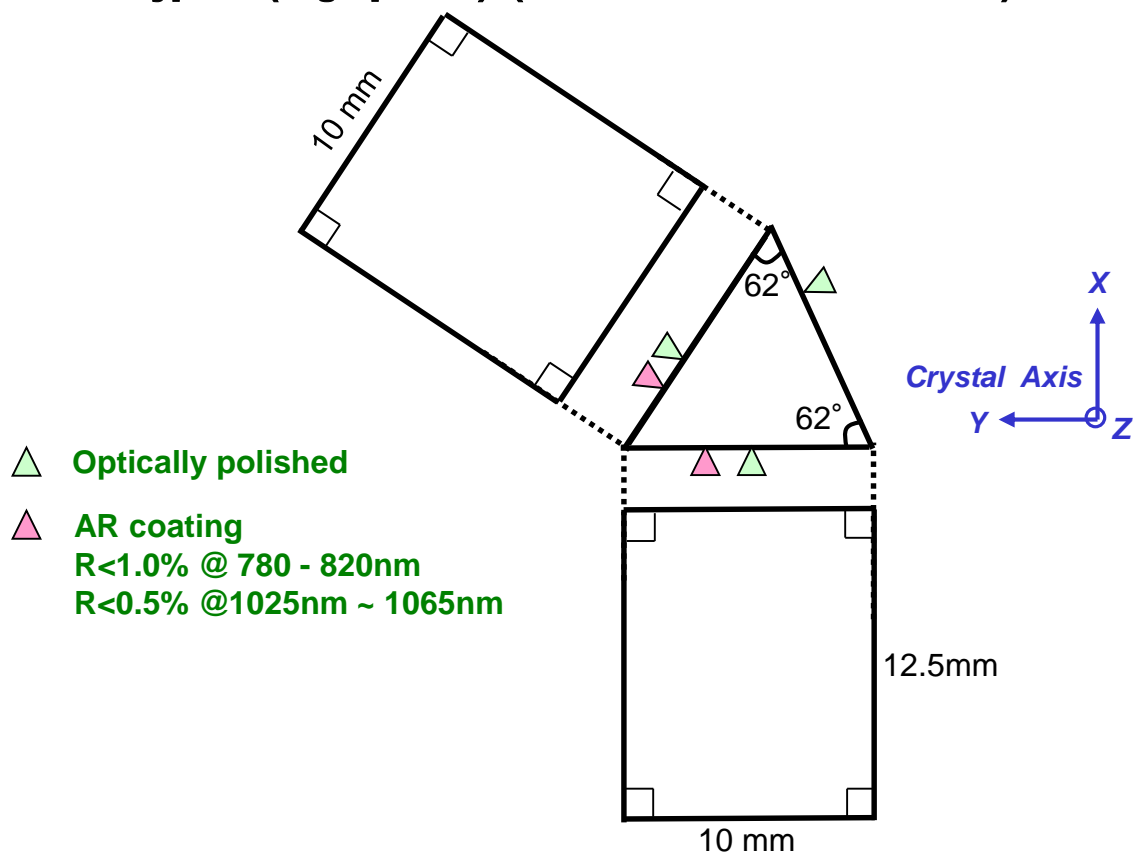
Sales@opt-oxide.com, <http://www.opt-oxide.com>

Detail dimension and specification

Standard Type 1: (BASIC) (9 mm X 9 mm X 9 mm)



Standard Type 2: (High power) (10 mm X 10 mm X 12.5 mm)



Customized solution:

Size: up to 20 mm X 20 mm X 20 mm

AR coating: for arbitrary wavelength

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