

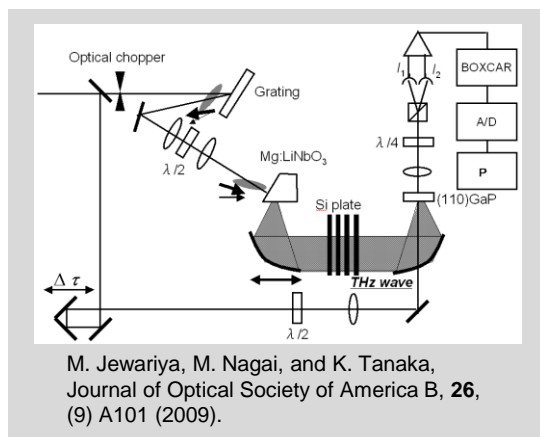
# Mg:SLN Prism for THz Generation

Unrivaled New Substrate Crystal for GaN epitaxial growth

## Advantages

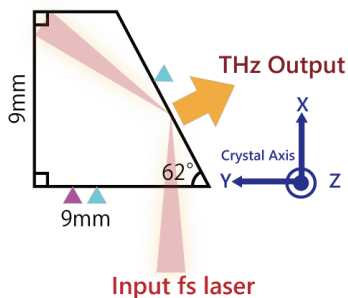
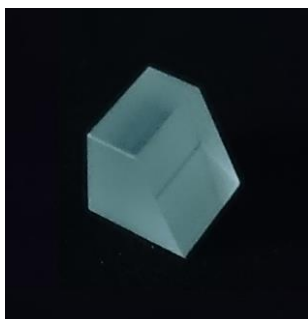
(Mg:SLN : Mg 1.3mol% doped stoichiometric LiNbO<sub>3</sub>)

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



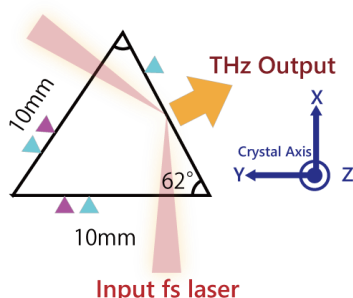
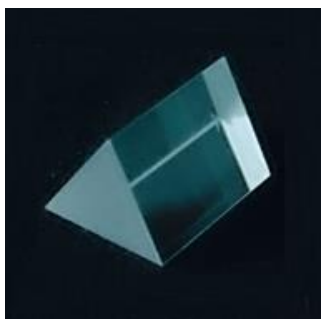
### Standard Type1 (Basic)

9 mm x 9 mm x 9 mm



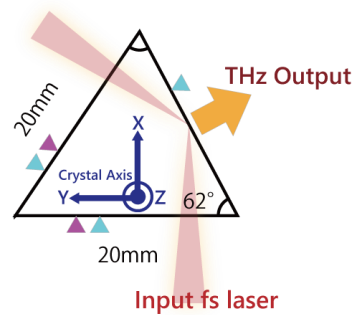
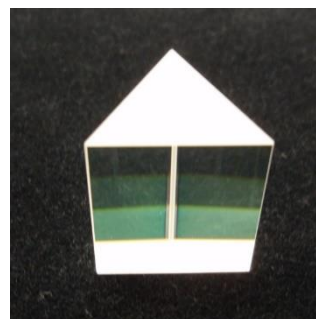
### Standard Type2 (High Power)

10 mm x 10 mm x 12.5 mm



### Standard Type3 (Large Aperture)

20 mm x 20 mm x 20 mm



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

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🐦 Oxide Yamanashi

# Detail dimension and specification

### Standard Type 1

9mm

9mm

62°

9mm

9mm

▲ Optically polished

▲ AR coating  
R<1.0% @ 780 - 820nm  
R<0.5% @ 1025nm ~ 1065nm

Crystal Axis

X

Y

Z

### Standard Type 2

10mm

62°

62°

12.5mm

10mm

▲ Optically polished

▲ AR coating  
R<1.0% @ 780 - 820nm  
R<0.5% @ 1025nm ~ 1065nm

Crystal Axis

X

Y

Z

### Standard Type 3

20mm

62°

62°

20mm

20mm

▲ Optically polished

▲ AR coating  
R<0.5% @ 780 - 820nm  
R<1.0% @ 1025nm ~ 1065nm

Crystal Axis

X

Y

Z

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