

# PPMgSLT

Available for UV, Visible - MIR Range with High Conversion Efficiency

## Features

- ✓ **High SHG Power**  
More than 1 W of SHG with stable operation
- ✓ **Wide Wavelength Range**  
Available from UV to MIR.  
It can be designed for arbitrary wavelength.
- ✓ **Designable Operating Temperature**  
Room temperature operation is available
- ✓ **High Beam Quality without Walk-off**  
Round beam is available even at THG (355nm)

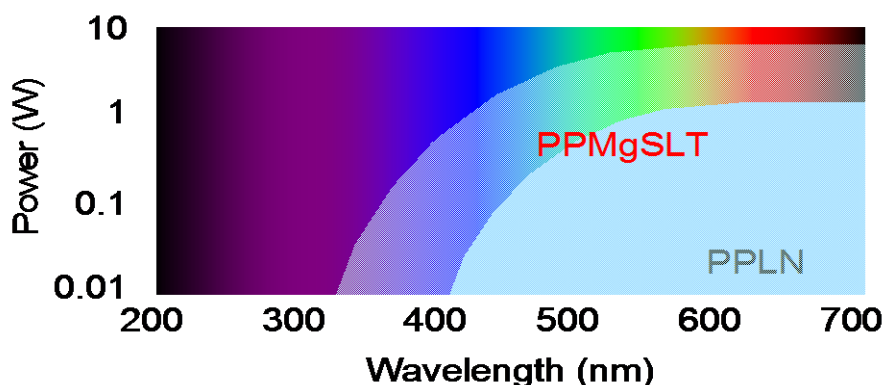
**Officially Licensed**



**PPMgSLT** (QPM Device)  
\*QPM: Quasi Phase Matching

Licensed Patents on PPMgSLT  
US6211999 / US6673330 / JP4569911

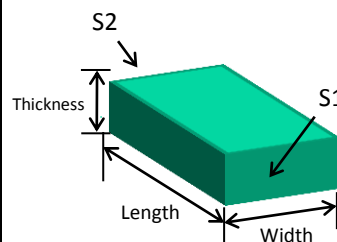
## Available Range of PPMgSLT



## Standard Specifications

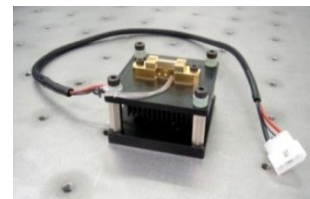
PPMgSLT for SHG	
Non-linear Coefficient (deff)	> 7.5pm/V
Typical PMT	44+/- 5 degree C
AR Coat	S1&S2 R<0.5% @ 1064/532nm
Crystal Size (T x W)	0.5mm, 0.8mm, 1mm x 2mm
Crystal Length (L)	5mm, 10mm, 20mm, 30mm

\*Different size and wavelength available.



## Accessories (Sample Mount with TEC)

- Sample mount is designed for each PPMgSLT device.
- Base mount with thru holes (25mm pitch x 4 holes)



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