

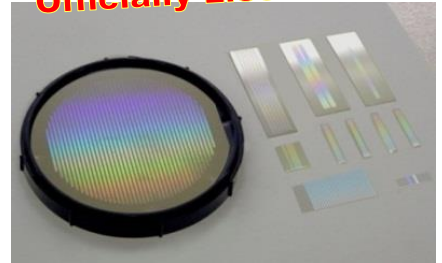
Fan-out PP-Mg:SLT

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

Let's Try Standard Fan-out PP-Mg:SLT

- ✓ Tunable Laser SHG
- ✓ Tunable OPO/OPG
- ✓ Watt Class Visible Generation
- ✓ Feasibility Test for New Wavelength

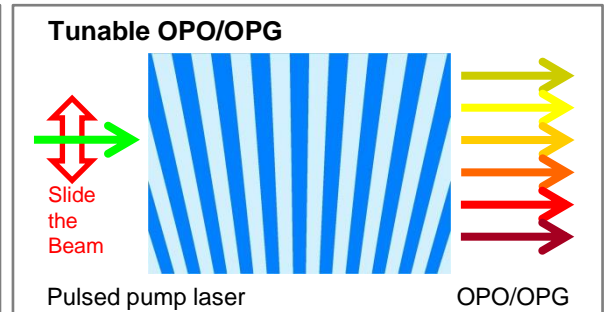
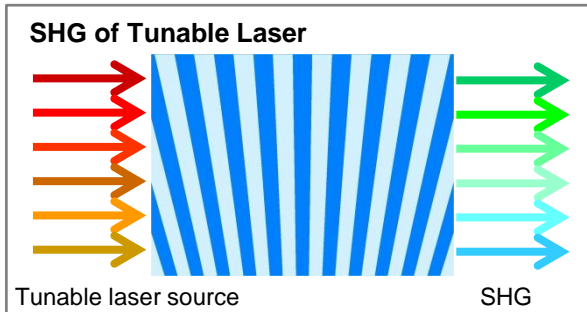
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PP-Mg:SLT (QPM Device)
*QPM: Quasi Phase Matching

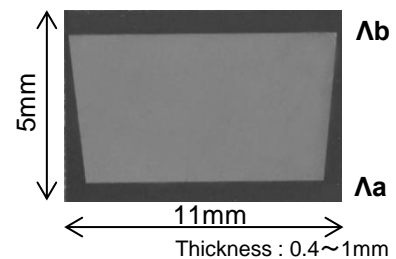
Licensed Patents on PP-Mg:SLT
US6211999 / US6673330 / JP4569911

Application Example



Specification

Type/ ITEM	Thickness (mm)	Periodicity		Phase-matching condition @ around 50°C (SHG wavelength)
		Λ_a (um)	Λ_b (um)	
A	0.5	5.9	6.5	483 ~497
B		6.4	7.0	496 ~509
C		6.9	7.6	508 ~523
D		7.5	8.2	522 ~536
E		8.1	8.9	535 ~551
F		8.8	9.7	550 ~568
G		9.6	10.6	567 ~585
H		10.5	11.6	584 ~605
I		11.5	12.7	604 ~625
J		0.8	12.6	13.9
K	13.8		15.2	646 ~670
L	15.1		16.7	669 ~697
M	16.6		18.3	696 ~725
N	18.2		20.1	724 ~757
O	20.0		22.1	756 ~794



notes:

Conversion efficiency of fan-out structure is lower than that of single periodicity devices. It depends on the beam size.

P	1.0	22.0	24.3	793 ~835
Q		24.2	26.7	834 ~886
R		26.6	29.4	885 ~954
S		29.3	32.4	953 ~1055
T		32.3	35.7	1054 ~(1255)
U		35.6	39.3	

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