

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

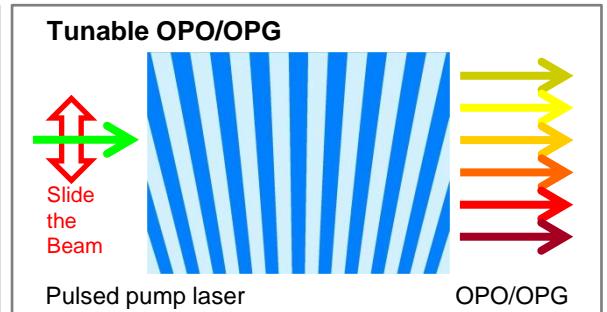
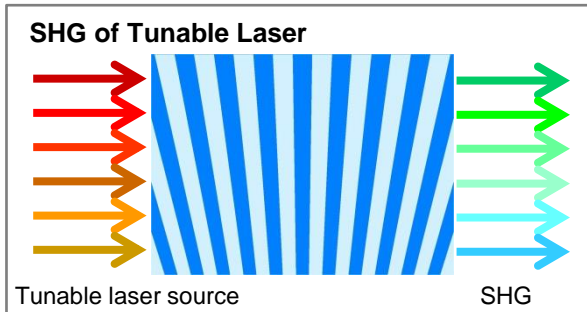
Officially Licensed



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

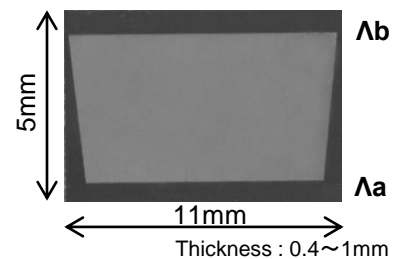
Licensed Patents on PP-Mg:SLT
US6211999 / US6673330 / JP4569911

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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