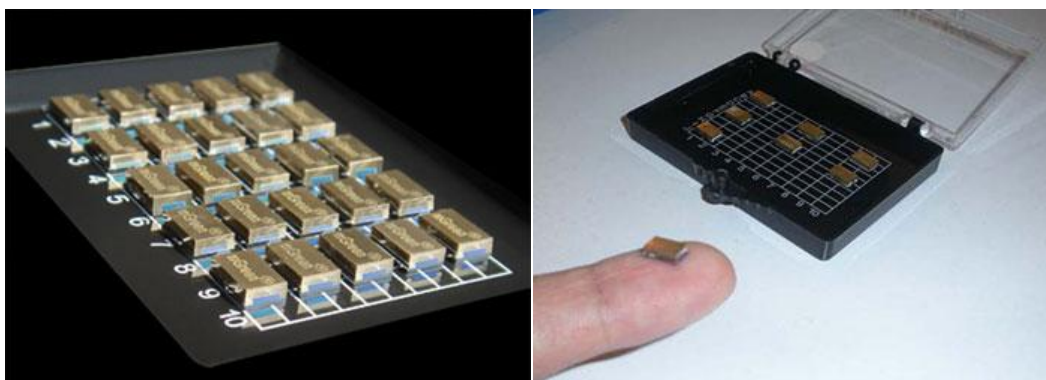


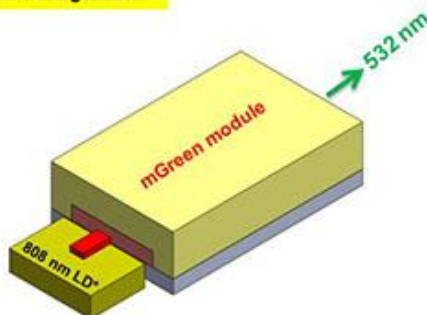
MgO:PPLN+Nd:YVO4 Modules for 100-400mW 532nm Laser

Generations

MgO:PPLN crystals are used as the frequency conversion element, which converts 1064nm laser to 532nm laser, the 1064nm laser is generated from Nd:YVO4 crystals pumped by 808nm LD, the PPLN crystals and **Nd:YVO4 crystals** are integrated and assembled with the copper heat-sink. The coating on the input surface and output surface form a laser cavity automatically, no mirrors are needed and the modules are compact in size with the output power of 100mW to 400mW. It is alignment-free element, easy to be integrated to your laser system.



Typical Application Configuration



Features

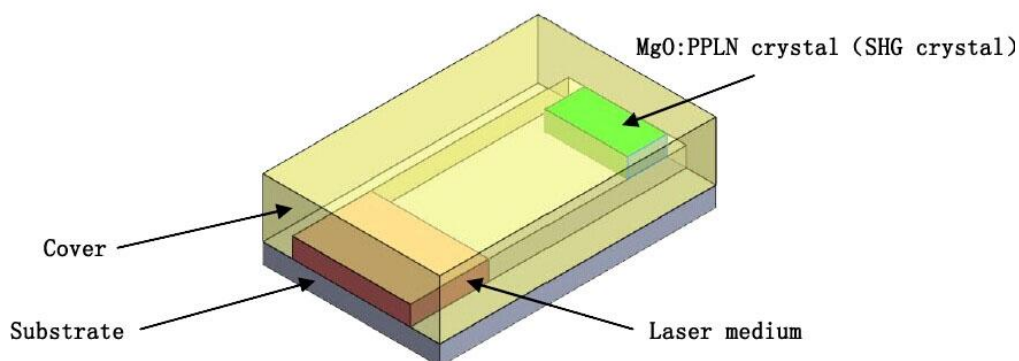
- Low cost
- High output power and high efficiency
- Compact and small in size
- No mirrors and alignment-free
- Easy to be integrated into your system

SPECIFICATIONS

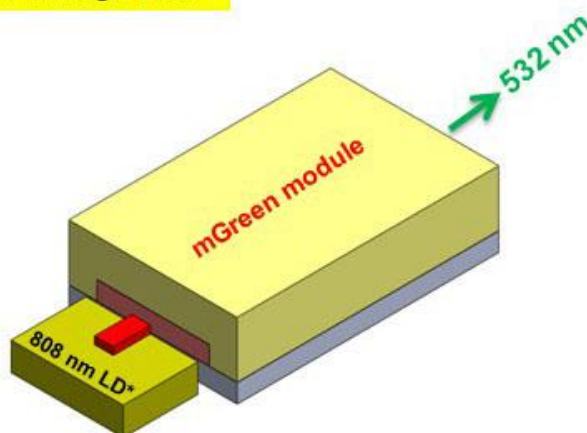
Specifications	
Module Length	7.0mm
Module Width	4.5mm
Module Thickness	2.0mm
Input Surface Coating	HT@808nm+ HR@1064nm+HR@532nm
Output Surface Coating	HR@1064nm+ HT@532nm;
Optical to Optical Efficiency	≈20%
Operation Temperature	20~40° C
Temperature Tolerance	> 25° C

Application Notes

(1) 532nm green laser modules structure and configuration



Typical Application Configuration



(2) Performance Curve of 400mW 532nm PPLN green modules

