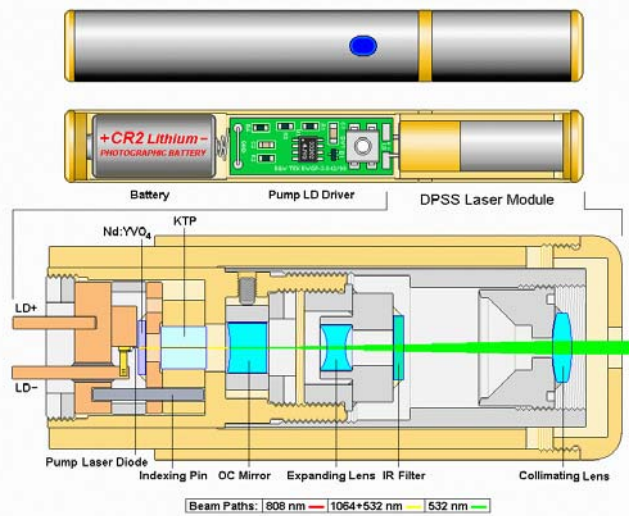


# Green Laser Pointer

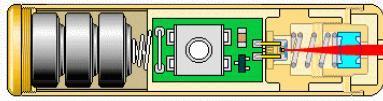
## Structure and Principle

Keang-Po Ricky Ho

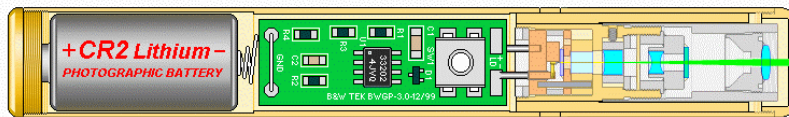
## Structure of Green Laser Pointer



# Red vs. Green Laser Pointer



Battery LD Driver LD Module  
Typical Red Laser Pointer



Battery Pump LD Driver DPSS Laser Module  
Typical Green Laser Pointer

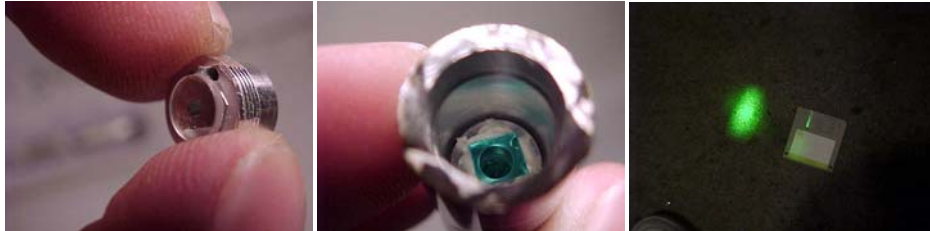
Comparison of Red and Green Laser Pointer Complexity

# Dissection of Green Laser Pointer



Collimating lens

## Dissection of Green Laser Pointer

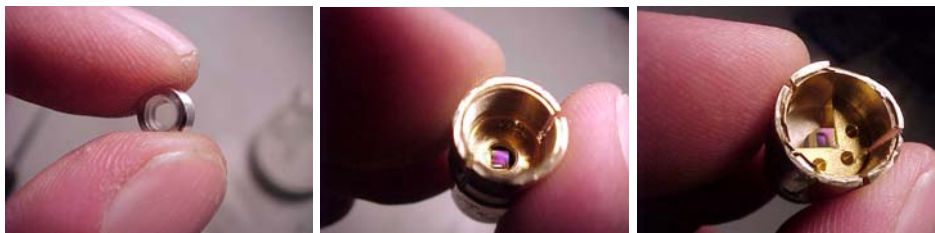
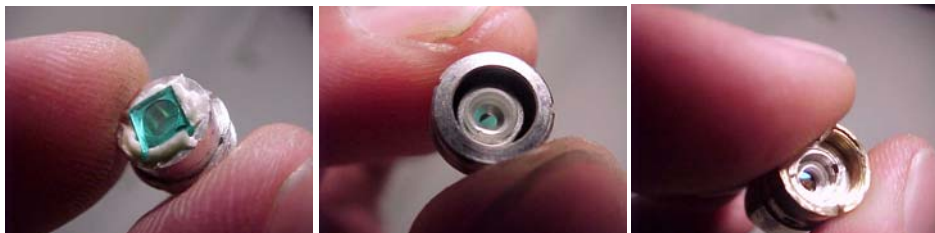


IR Filter



IR Filter

## Dissection of Green Laser Pointer



Optical Cavity

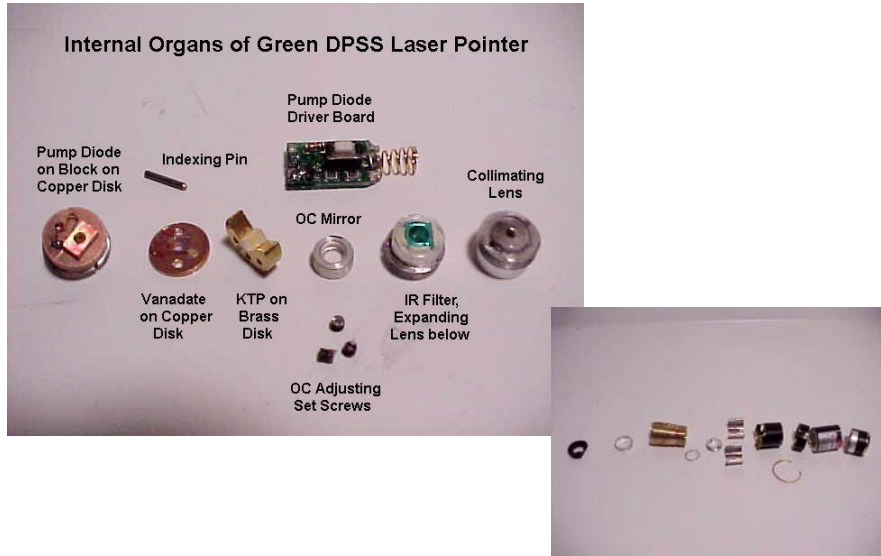
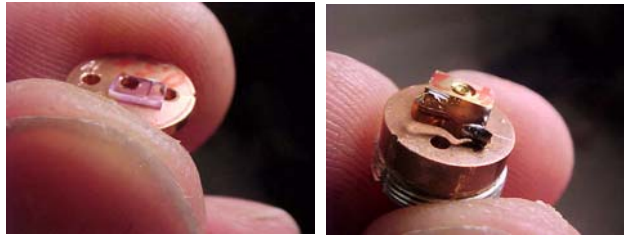
KTP crystal

# Dissection of Green Laser Pointer

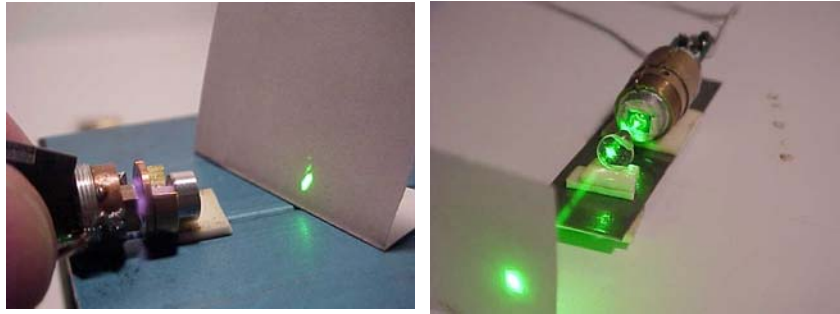


Nd:YVO<sub>4</sub>

Pump Diode



## Re-assemble



More information:

<http://repairfaq.ece.drexel.edu/sam/laserpic/glpdpics.htm>

