

## 상 세 규 격 서

구분	품명	단위	수량	비고
1	Laser(Osram PL530)	EA	9	
2	Driver Board	EA	9	
3	Thermo-electric cooler(TEC)	EA	9	
4	Thermistor (With Soldered Wires)	EA	9	
5	Collimating Lens	EA	9	
6	Case	EA	9	
7	Power Supply	EA	9	
8	Power Switch	EA	9	

### 상 세 내 역

#### 1. 구성

1. Laser(Osram PL530)
2. Driver Board
3. Thermo-electric cooler(TEC)
4. Thermistor (With Soldered Wires)
5. Collimating Lens
6. Case
7. Power Supply
8. Power Switch

#### 2. 성능 및 규격

1. Laser(Osram PL530) : 9ea
  - \* Emission wavelength : peak 528 530 535 nm
  - \* Spectral width (FWHM) : 0.2 0.3 nm
  - \* Output power (CW operation) : 46 mW
  - \* Operating voltage : 1.8 2.2 V
  - \* Residual IR laser output : 2 mW
  - \* Beam diameter at output window : 0.1 mm
  - \* Polarization : 100:1
2. Driver Board : 9ea

- \* The laser current can be controller up to 400 mA
- \* The TEC temperature can be set from 20C to 30C
- \* Input DC voltage: 3.8 VDC - 4.5 VDC, 1.5 Amp
- \* Board Size: 94 mm x 29 mm

3. Thermo-electric cooler(TEC) : 9ea

- \* Dimension : Rectangular - 12.30mm L x 6.20mm W
- \* Qmax @ TH : 3.0W @ 25°C
- \* Delta Tmax @ TH : 67°C @ 25°C
- \* Current - Max : 1.5 A / Voltage - Max : 3.4 V
- \* Resistance : 2.09 Ohms
- \* Operating Temperature : 80°C

4. Thermistor (With Soldered Wires) : 9ea

- \* B Parameter : 3380 K
- \* Resistance : 10 kOhms
- \* Power Rating : 33 mW
- \* Tolerance : 1 %
- \* Termination Style : SMD/SMT
- \* Minimum Operating Temperature : - 40 C
- \* Maximum Operating Temperature : + 125 C

5. Collimating Lens : 9ea

- \* Wavelength : for 532nm
- \* Dimensions diamete r: 5mm/8mm
- \* Lens Material : Glass
- \* Concave

6. Case : 9ea

- \* Material : Iron
- \* Length : 24 mm
- \* Width : 24 mm
- \* Depth : 83 mm
- \* Color : Blue and Black

7. Power Supply : 9ea

- \* Input Voltage : 100 VAC to 240 VAC
- \* Number of Outputs : 1 Output
- \* Output Power : 10 W
- \* Output Voltage-Channel 1 : 5 VDC
- \* Output Current-Channel 1 : 2 A
- \* DC Output Connector : 2.1 mm Barrel Plug (2.1x5.5)

8. Power Switch : 9ea

- \* Size(approx.) : 6cm \* 2.5cm \* 1.5cm
- \* Net Weight(approx.) : 60g
- \* Power : < 100W
- \* Voltage : AC 110V-250V

**3. 기타사항**

- 가. 설치위치 : 경북 구미시 구미대로 350-27 구미전자정보기술원
- 나. 납품기한 : 계약 후 5주(35일) 이내
- 다. 무상보증기간 : 납품 및 검수 후 1년
- 라. 규격관련 문의사항 : 배형우 선임 054-460-9083