

◎CYL12C 시리즈

『Picture or 3D』



『Features』

- ◆ Optical output power : Max. ~ 20mW
- ◆ Output power stability Max. < ±10 %
- ◆ 포커싱 고정 형태
- ◆ Precision dot beam : $\varnothing 1 \sim \varnothing 2.5, 3 \times 2$
- ◆ Options
 - Glass collimate lens : 요구되는 빔 사양에 따라 차등 적용

『Optical / Electrical features』

| Items | | Features | | | |
|---|------------------|--|--|---|---|
| Wavelength | | 405 nm | 445/450nm | 520nm | 635nm |
| Output Power | | ~10, ~30mW | ~30mW, Multi ~30mW | ~4, ~18mW | ~10, ~20, Multi ~20mW |
| Output Power stability | | < ± 5% | < ± 5%, Multi < ± 10% | < ± 5% | < ± 5%, Multi < ± 10% |
| Beam type & size(thickness) at 3m ■ Optional | Dot (Divergence) | $\varnothing 1, \varnothing 2, 3 \times 2 (< 0.1 \text{ mrad})$ | $\varnothing 1, \varnothing 2 (< 0.1 \text{ mrad})$ Multi $2 \times 1, 5 \times 2 (< 2 \text{ mrad})$ | $\varnothing 1, \varnothing 2, 2 \times 1 (< 0.1 \text{ mrad})$ | $\varnothing 2 (< 0.1 \text{ mrad})$ Multi $2 \times 1, 5 \times 2 (< 2 \text{ mrad})$ |
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| | | | | | |
| Focused beam size[mm] at 300mm | | Dot >0.05 | Dot >0.05, Multi Dot >0.3 | Dot >0.05 | Dot >0.02, Multi Dot >1 |
| Mode | | TEM00 | TEM00, Multi-mode | TEM00 | TEM00, Multi-mode |
| Input voltage | | 3 ~ 5 V | | | |
| Consumption current | | Max. 100 mA | Max. 100 mA | Max. 100 mA | Max. 80 mA |
| Laser Diode type | | P or N-type or other | | | |
| Dimension | | $\varnothing 12 \times 42 \text{ L}$ | | | |
| Outside Material | | Aluminum anodizing | | | |
| Lifetime at room temp. | | 20,000 hours | | | |
| Operating Temperature | | -10 ~ 40 °C | | | |
| Storage Temperature | | -30 ~ 80 °C | | | |
| Options | | | | | |
| Remarks | | *설치시에 방열구조 필요 *과도한 충격을 금해주시고, 강한 모터나 전자기파 주변에 설치하는 것을 피해주십시오. | | | |

『Optical / Electrical features』

| Items | | Features | | | |
|---|------------------|--|---------------------|--------------------------|-----------------------|
| Wavelength | | 655nm | 660nm | 670nm | 685nm |
| Output Power | | ~8mW | ~25mW | ~18mW | ~7, ~25mW |
| Output Power stability | | < ± 5% | < ± 5% | < ± 1% | < ± 1% |
| Beam type & size(thickness) at 3m ■ Optional | Dot (Divergence) | ∅2, ∅3, 5 x 2 (< 0.1mrad) | ∅2, ∅3 (< 0.1 mrad) | ∅1, ∅2, 2x1 (< 0.1 mrad) | ∅1.5, ∅2 (< 0.1 mrad) |
| | | | | | |
| | | | | | |
| Focused beam size[mm] at 300mm | | Dot >0.05 | Dot >0.04 | Dot >0.02 | Dot >0.04 |
| Mode | | TEM00 | TEM00 | TEM00 | TEM00 |
| Input voltage | | 3 ~ 5 V | | | |
| Consumption current | | Max. 50 mA | Max. 60 mA | Max. 60 mA | Max. 70 mA |
| Laser Diode type | | P or N-type or other | | | |
| Dimension | | ∅12 × 42 L | | | |
| Outside Material | | Aluminum anodizing | | | |
| Lifetime at room temp. | | 20,000 hours | | | |
| Operating Temperature | | -10 ~ 40 °C | | | |
| Storage Temperature | | -30 ~ 80 °C | | | |
| Options | | | | | |
| Remarks | | *설치시에 방열구조 필요 *과도한 충격을 금해주시고, 강한 모터나 전자기파 주변에 설치하는 것을 피해주시시오. | | | |

『Optical / Electrical features』

| Items | | Features | | | |
|---|------------------|--|--|--|--|
| Wavelength | | 785nm | 808nm | 830nm | 850nm |
| Output Power | | ~10, ~30mW | ~30mW, Multi ~30mW | ~25, Multi ~30mW | ~25, Multi~30mW |
| Output Power stability | | < ± 1% | < ± 5%, Multi < ± 5% | < ± 5% | < ± 5%, Multi < ± 5% |
| Beam type & size(thickness) at 3m ■ Optional | Dot (Divergence) | ∅1, ∅2, 3x2 (< 0.1 mrad) | ∅2 (<0.1mrad) Multi 2x1, 5x2 (< 2 mrad) | ∅2 (<0.1mrad) Multi 2x1, 5x2 (< 2 mrad) | ∅2 (<0.1mrad) Multi 2x1, 5x2 (< 2 mrad) |
| | | | | | |
| | | | | | |
| Focused beam size[mm] at 300mm | | Dot >0.05 | Dot >0.02, Multi Dot >1 | Dot >0.02, Multi Dot >1 | Dot >0.02, Multi Dot >1 |
| Mode | | TEM00 | Multi-mode | TEM00 | TEM00 |
| Input voltage | | 3 ~ 5 V | | | |
| Consumption current | | Max. 70 mA | Max. 70 mA | Max. 70 mA | Max. 70 mA |
| Laser Diode type | | P or N-type or other | | | |
| Dimension | | ∅12 × 42 L | | | |
| Outside Material | | Aluminum anodizing | | | |
| Lifetime at room temp. | | 20,000 hours | | | |
| Operating Temperature | | -10 ~ 40 °C | | | |
| Storage Temperature | | -30 ~ 80 °C | | | |
| Options | | | | | |
| Remarks | | *설치시에 방열구조 필요 *과도한 충격을 금해주시고, 강한 모터나 전자기파 주변에 설치하는 것을 피해주시시오. | | | |

『Optical / Electrical features』

| Items | | Features | | | |
|-------|--|----------|--|--|--|
|-------|--|----------|--|--|--|

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|---|------------------|---|--------------------------|--|--|
| Wavelength | | 905nm | 980nm | | |
| Output Power | | ~15mW | ~30mW | | |
| Output Power stability | | < ± 1% | < ± 1% | | |
| Beam type & size(thickness) at 3m ■ Optional | Dot (Divergence) | ∅1, ∅2, 3×2 (< 0.1 mrad) | ∅1, ∅2, 3×2 (< 0.1 mrad) | | |
| | | | | | |
| | | | | | |
| Focused beam size[mm] at 300mm | | Dot >0.05 | Dot >0.05 | | |
| Mode | | TEM00 | TEM00 | | |
| Input voltage | | 3 ~ 5 V | | | |
| Consumption current | | Max. 60 mA | Max. 70 mA | | |
| Laser Diode type | | P or N-type or other | | | |
| Dimension | | ∅12 × 42 L | | | |
| Outside Material | | Aluminum anodizing | | | |
| Lifetime at room temp. | | 20,000 hours | | | |
| Operating Temperature | | -10 ~ 40 °C | | | |
| Storage Temperature | | -30 ~ 80 °C | | | |
| Options | | | | | |
| Remarks | | *설치시에 방열구조 필요 *과도한 충격을 금해주시고, 강한 모터나 전자기파 주변에 설치하는 것을 피해주시오. | | | |