

◎CYL10 시리즈

『Picture or 3D』



『Features』

- ◆ Optical output power : Max. ~ 10mW
- ◆ Output power stability Max. < ±5 %
- ◆ 포커싱 고정 형태
- ◆ Precision dot beam : $\varnothing 1 \sim \varnothing 2.5$

『Optical / Electrical features』

Items		Features			
Wavelength		405 nm	445/450nm	520nm	635nm
Output Power		~10 mW	~10mW, Multi ~10mW	~4mW	~1mW
Output Power stability		< ± 5%	< ± 5%, Multi < ± 10%	< ± 5%	< ± 5%
Beam type & size(thickness) at 3m ■ Optional	Dot (Divergence)	$\varnothing 1, \varnothing 2, 3 \times 2 (< 1 \text{ mrad})$	$\varnothing 1, \varnothing 2 (< 1 \text{ mrad})$ Multi $2 \times 1, 5 \times 2 (< 2 \text{ mrad})$	$\varnothing 2, 2 \times 1 (< 1 \text{ mrad})$	$\varnothing 2 (< 1 \text{ mrad})$
Focused beam size[mm] at 300mm		Dot >0.1	Dot >0.1, Multi Dot > 1	Dot >0.5	Dot >0.5
Mode		TEM00	TEM00, Multi-mode	TEM00	TEM00
Input voltage		3 ~ 5 V			
Consumption current		Max. 50 mA	Max. 50 mA	Max. 50 mA	Max 30 mA
Laser Diode type		P or N-type or other			
Dimension		$\varnothing 10 \times 20 \text{ L}$			
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		~4mW	~5mW	~4mW	~5mW
Output Power stability		< ± 5%	< ± 5%	< ± 5%	< ± 5%
Beam type & size(thickness) at 3m ■ Optional	Dot (Divergence)	∅2 (< 1mrad)	∅2, ∅3 (< 1 mrad)	∅2, 2×1 (< 1 mrad)	∅1.5, ∅2 (< 1 mrad)
Focused beam size[mm] at 300mm		Dot >0.5	Dot >0.5	Dot >0.5	Dot >0.5
Mode		TEM00	TEM00	TEM00	TEM00
Input voltage		3 ~ 5 V			
Consumption current		Max. 30 mA	Max. 40 mA	Max. 40 mA	Max. 50 mA
Laser Diode type		P or N-type or other			
Dimension		∅10 × 20 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		~4, ~8 mW	~10mW, Multi ~10mW	~4, ~8, Multi ~ 10mW	~4, ~8, Multi ~ 10mW
Output Power stability		< ± 5%	< ± 5%, Multi < ± 5%	< ± 5%	< ± 5%, Multi <± 5%
Beam type & size(thickness) at 3m ■ Optional	Dot (Divergence)	∅2, 3×2 (< 1 mrad)	∅2 (<1mrad) Multi 2×1, 5×2 (< 2 mrad)	∅2 (<1mrad) Multi 2×1, 5×2 (< 2 mrad)	∅2 (<1mrad) Multi 2×1, 5×2 (< 2 mrad)
Focused beam size[mm] at 300mm		Dot >0.5	Dot >0.5, Multi Dot >1	Dot >0.5, Multi Dot >1	Dot >0.5, Multi Dot >1
Mode		TEM00	TEM00,Multi-mode	TEM00,Multi-mode	TEM00,Multi-mode
Input voltage		3 ~ 5 V			
Consumption current		Max. 40 mA	Max. 50 mA	Max. 40 mA	Max. 40 mA
Laser Diode type		P or N-type or other			
Dimension		∅10 × 20 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	~4mW	~10mW		
Output Power stability	< ± 1%	< ± 1%		
Beam type & size(thickness) at 3m ■ Optional	Dot (Divergence)	∅2, 3×2 (< 1 mrad)	∅2, 3×2 (< 1 mrad)	
Focused beam size[mm] at 300mm	Dot >0.5	Dot >0.5		
Mode	TEM00	TEM00		
Input voltage	3 ~ 5 V			
Consumption current	Max. 25 mA	Max. 50 mA		
Laser Diode type	P or N-type or other			
Dimension	∅10 × 20 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.			