

GDL-8-0200-00H-00-B


Key Features:

Mini Size
 Mode Hopping Suppression
 Low Cost
 Auto Power Control Function
 High Reliability

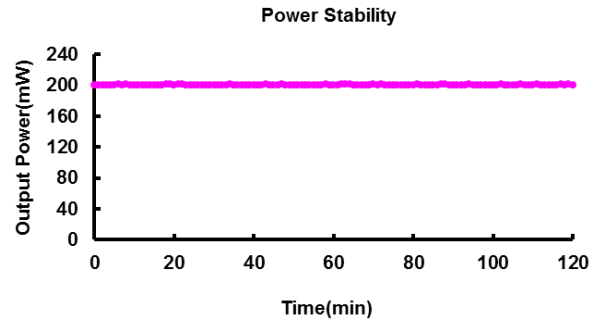
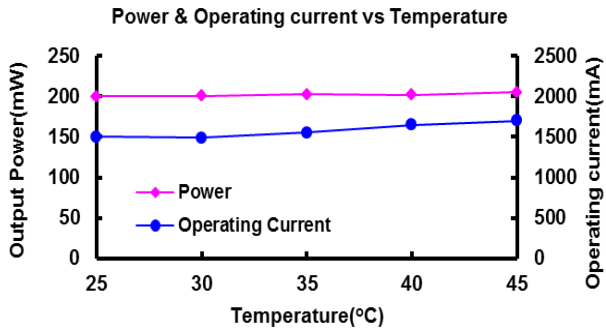
Applications:

Laser Display
 Surveying Equipment
 Laser Alignment & Pointing

Model Number	GDL-8-0200-00H-00-B			
Optical Parameters	Specs			Conditions
	Min	Typ	Max	
Wavelength	531nm	532nm	533nm	
Output Power	150mW	200mW	250mW	
Power Stability	-	+/-2%	+/-5%	APC, 2hours @ Constant Temp
Operating Temperature (Case)	Recommended temperature of data sheet			Within 20~40°C
Residual IR	-	-	1.0%	
Beam Diameter (At Output Window)		0.2mm		
Beam Divergence (Full Angle, 1/e ²)	-	8mrad	12mrad	
Roundness	80%	90%	100%	
M-Square	-	1.2	2.0	
Electrical Parameters				
LD Working Current	-	1500mA	2500mA	200mW at recommended temperature
LD Working Voltage	1.9V	2.2V	2.5V	
Monitor Current ^②	640uA	1500uA	2500uA	200mW at recommended temperature
GDL Power Consumption	-	3.3W	6.25W	
Mechanical Parameters				
Laser Head Dimensions	Length	22.0	22.2mm	22.4mm
	Diameter	11.98mm	12.00mm	12.02mm
Beam Alignment Tolerance	Off-axis Angle		10mrad	17.5mrad
	Position(Δr)		0.2mm	0.3mm
Laser Weight		5.8g		
Reliability				
Storage Humidity	5%~85% R.H. ^①			
Storage Temperature	-40 to +85 °C			
Shock	1500g, 0.5ms, 6 shocks, 3 axes, 2 shocks/axis			
Vibration	20~2000Hz, 0.02g ² /Hz, 3 axes, 1hr/axis			
Expected Lifetime (MTTF)	10000hrs	-	-	@Rated Power & Room Temp.

 Note: ^①Non-condensing

Typical Output Performance



Dimensions and Pin Configuration (Unit: mm)

