

GDL-8-0300-00H-00-B


Key Features:

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

Applications:

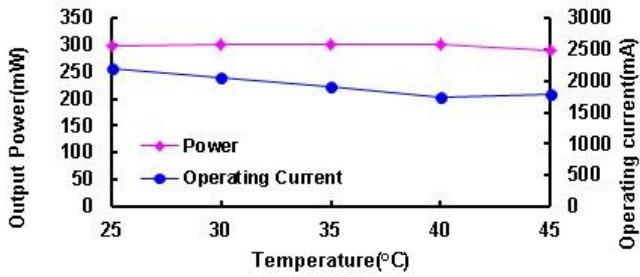
Laser Display
 Surveying Equipment
 Laser Alignment & Pointing

Model Number		GDL-8-0300-00H-00-B			
Optical Parameters		Specs			Conditions
		Min	Typ	Max	
Wavelength		531nm	532nm	533nm	
Output Power		225mW	300mW	375mW	
Power Stability		-	+/-2%	+/-5%	APC, 2hours @ Constant Temp
Operating Temperature (Case)		Recommended temperature of data sheet			Within 20~40°C
Residual IR		-	-	1%	
Beam Diameter (At Output Window)			0.2mm		
Beam Divergence (Full Angle, 1/e ²)		-	8mrad	12mrad	
Roundness		70%	85%	100%	
M-Square		-	2.0	3.0	
Electrical Parameters					
LD Working Current		-	1700mA	3000mA	300mW at recommended temperature
LD Working Voltage			2.2V	2.6V	
Monitor Current		400uA	1200uA	2500uA	300mW at recommended temperature
GDL Power Consumption		-	3.7W	7.8W	
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.

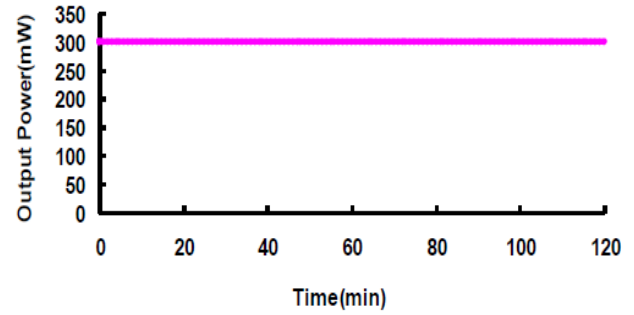
 Note: ^①Non-condensing

Typical Output Performance

Power & Operating current vs Temperature



Power Stability



Dimensions and Pin Configuration (Unit: mm)

