

GDLM-T-0004-MNB-07


Key Features:

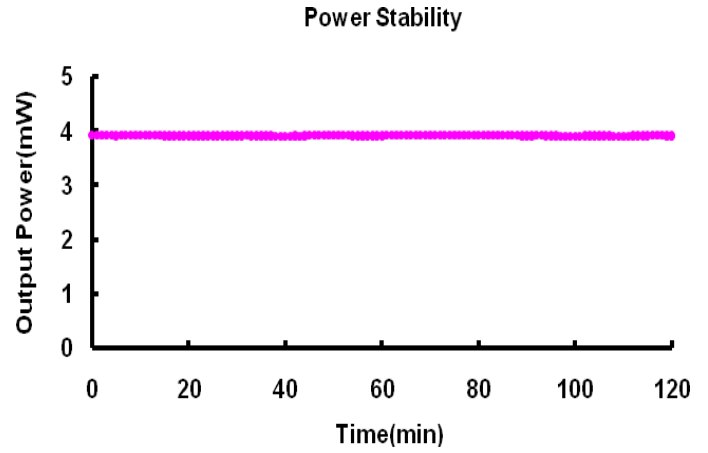
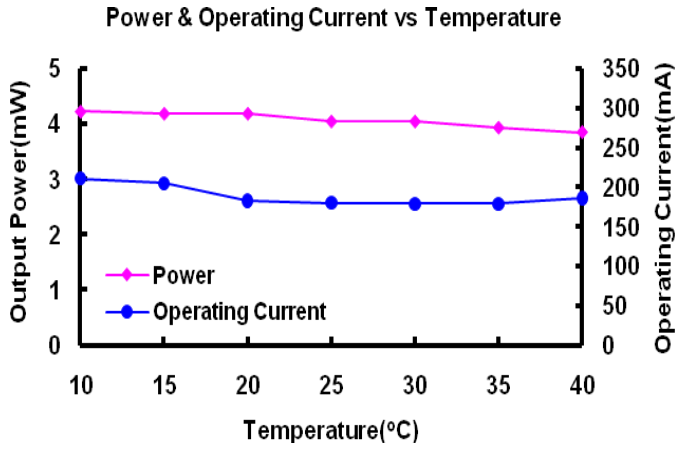
Mini Size
 High Reliability
 Low Power Consumption
 Internal PD for Green Laser
 Wide Operating Temperature

Applications:

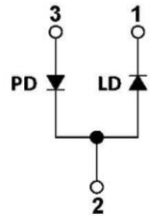
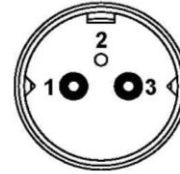
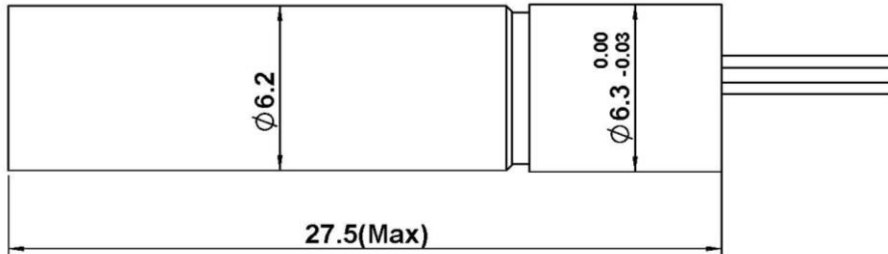
Laser Alignment & Pointing
 Surveying Equipment

Model Number		GDLM-T-0004-MNB-07			
Optical Parameters		Specs			Conditions
		Min	Typ	Max	
Wavelength		531nm	532nm	533nm	
Output Power		3.25mW	4mW	4.75mW	At 25°C
Power Stability	2hours @ Constant Temp	-	+/-2%	+/-5%	APC
	Over Operating Temp Range	-	+/-10%	+/-18%	
Operating Temperature (Case)		10~+40°C	-	-	APC
Residual IR		-	-	1.0%	
Beam Diameter		-	-	15mm	At 10m
Beam Divergence		-	-	1.5mrad	Full angle
Beam Roundness		70%	80%	100%	
Warm Up Time		-	-	1s	10~40°C
Electrical Parameter (Without circuit)					
LD Working Current		-	180mA	350mA	APC at 4mW
LD Working Voltage		1.9V	2.0V	2.2V	
Monitor Current		20uA	43uA	120uA	4mW @ 25°C
GDLM Power Consumption		-	0.36W	0.77W	
Mechanical Parameters					
Laser Head Dimensions	Length	-	-	27.5mm	
	Diameter	-	-	6.3mm	
Beam Alignment Tolerance	Position(Δr)	-	-	0.7mm	
	Angle	-	-	17.5mrad	
Laser Weight		-	3.73g	-	
Reliability					
Storage Temperature		-	-40 to +85°C	-	
Shock		-	1500g,0.5ms,6 shock	-	3 axes, 2 shocks/axis
Vibration		-	20~2000Hz, 0.02g ² /Hz	-	3 axes, 1hr/axis
Expected Lifetime(MTTF)		5000hrs	-	-	Room Temperature

Typical Output Performance



Dimensions and Pin Configuration (Unit: mm)



PIN Configuration: 1. LD- 2. COM* 3. PD+
Note: COM* LD+ & PD-