

GDLM-MA-0005-WTB-06-00-B

Key Features:

Mini size
 High Reliability
 Auto Power Control
 Low Power Consumption
 Wide Operating Temperature

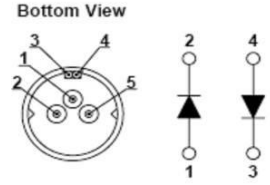
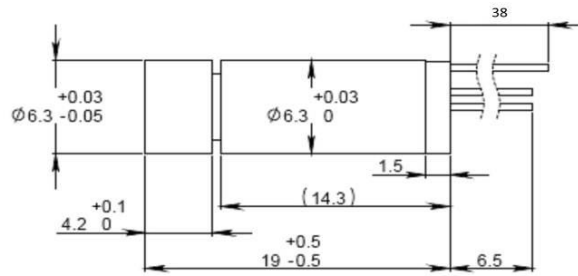
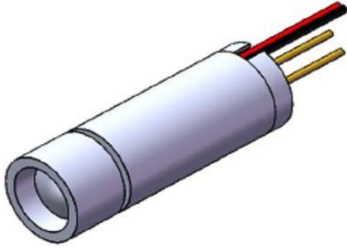
Applications:

Surveying Equipment
 Laser Alignment & Pointing

Model Number		GDLM-MA-0005-WTB-06-00-B			
Optical Parameters		Specs			Conditions
		Min	Typ	Max	
Wavelength		531nm	532nm	533nm	
Output Power		4mW	5mW	6mW	@25°C
Power Stability	2hours @ Constant Temp	-	-	+/-5%	APC
	Over Operating Temp Range	3mW	-	6mW	
Operating Temperature (Case)		10~45°C	-	-	APC
Residual IR		-	-	1%	
Beam Diameter		-	-	25mm	At 15m
Beam Divergence				1.7mrad	Full Angle
Roundness		85%	-	100%	
Warm Up Time			1s	-	
Electrical Parameters					
LD Working Current		-	190mA ^①	310mA	
LD Working Voltage		-	1.8V ^①	2.0V	
Monitor Current		20uA	-	200uA	5mW @25°C
GDLM Power Consumption			0.34W ^①	0.62W	
Mechanical Parameters					
Laser Head Dimensions	Length	18.5mm	19mm	19.5mm	
	Diameter	6.30mm	-	6.33mm	
Beam Alignment Tolerance	Position(Δr)	-	0.3mm	0.5mm	
	Angle	-	-	2 Degree	
Reliability					
Storage Temperature		-	-10 to +50°C	-	
Shock		1500g, 0.5ms, 6 shocks,3 axes, 2 shocks/axis			
Vibration		20~2000Hz, 0.02g2/Hz,3 axes, 1hr/axis			
Expected Lifetime (MTTF)		5000hrs	-	-	@5mW & 25°C

Note: ^① Tcase=25 °C & P=5mW

Dimensions and Pin Configuration (Unit: mm)



- Pin Configurations:**
1. LD+
 2. LD-
 3. PD- (Black)
 4. PD+ (Red)
 5. None

