

## GDLM-A006R4D9IP



### Key Features:

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

### Applications:

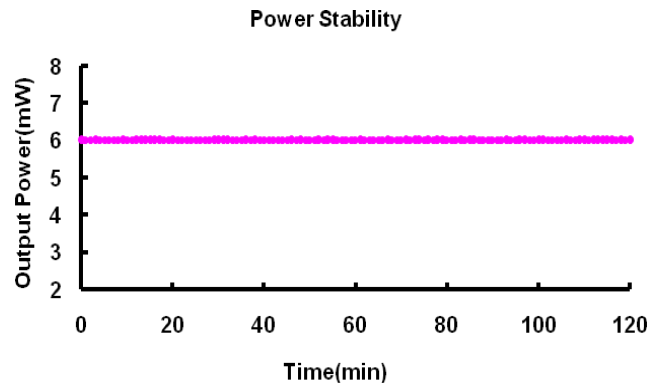
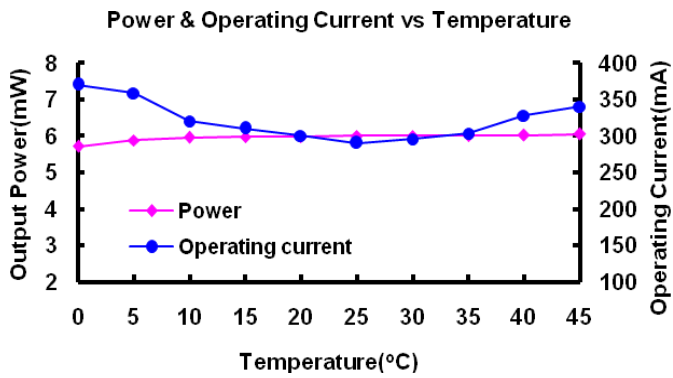
Rotary Laser Levels  
 Surveying Equipment  
 Laser Alignment & Pointing

Model Number		GDLM-A006R4D9IP			
Optical Parameters		Specs			Conditions
		Min	Typ	Max	
Wavelength		531nm	532nm	533nm	
Output Power		5.4mW	6mW	6.6mW	At 25 °C
Power Stability	2hours @ Constant Temp	-	-	+/-10%	APC
	Over Operating Temp Range	4mW	-	6.9mW	
Operating Temperature (Case)		-	0~+45 °C	-	APC
Residual IR		-	-	1%	
Beam Diameter		-	-	38mm	At 80m
Beam Divergence		-	-	0.48mrad	Full angle
Roundness		70%	80%	100%	
Warm Up Time		-	1s	-	0~45 °C
<b>Electrical Parameters</b>					
LD Working Current		-	300mA <sup>①</sup>	400mA	0~45 °C
LD Working Voltage		1.6V	1.9V	2.2V	
Monitor Current		5uA	-	110uA	
GDL Power Consumption		-	0.60W <sup>②</sup>	0.88W	0~45 °C
<b>Mechanical Parameters</b>					
Laser Head Dimensions	Length	64.5mm	65.5mm	66.5mm	
	Diameter	16.9mm	17.0mm	17.1mm	
Beam Alignment Tolerance	Position( $\Delta r$ )	-	0.3mm	0.5mm	
	Angle	-	5mrad	10mrad	
<b>Reliability</b>					
Storage Temperature		-	-20 to +60 °C	-	
Shock		-	1000g, 1ms, 6 shocks	-	3 axes, 2 shocks/axis
Vibration		-	20~2000Hz, 0.02g <sup>2</sup> /Hz	-	3 axes, 1hr/axis
Expected Lifetime (MTTF)		5000hrs	-	-	Room temperature

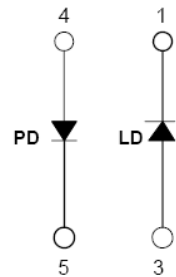
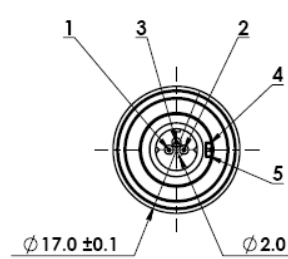
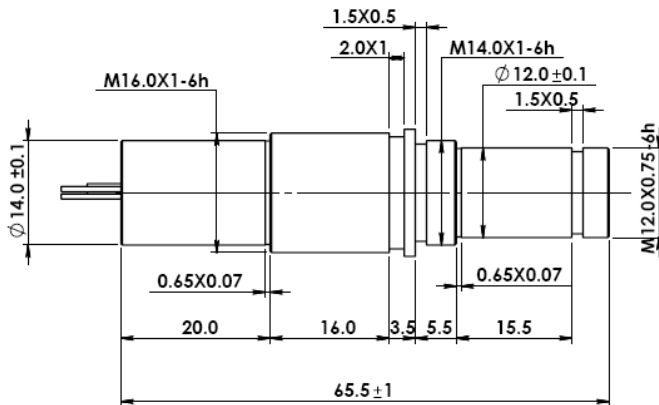
Note: <sup>①</sup>6mW at 25 °C

<sup>②</sup>6mW at 25 °C

## Typical Output Performance



## Dimensions and Pin Configuration (Unit: mm)



Pin Configurations : 1. LD- 2.None 3.LD+  
 4.PD+ 5.PD-