



## WTO GLD-8200

### Key Features:

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

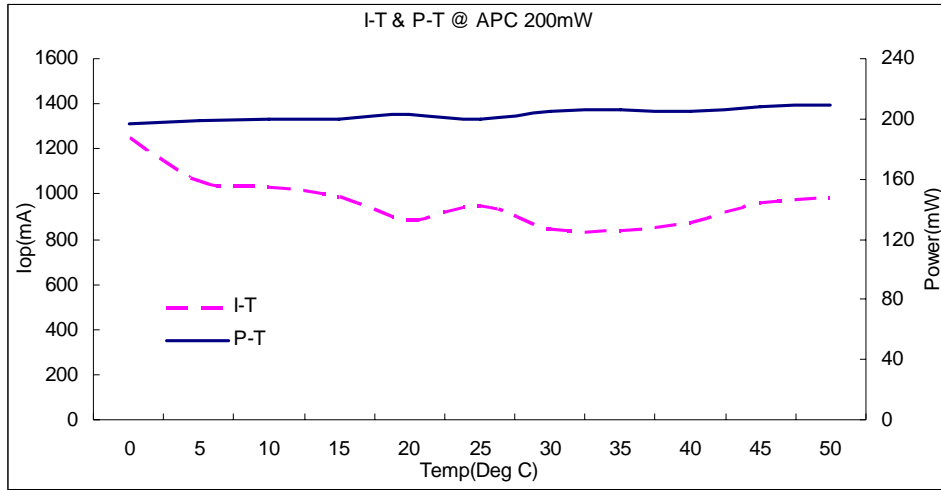
### Applications:

Laser Aiming  
 Surveying Equipments  
 Laser Alignment & Pointing

<b>Model Number</b>		<b>GLD-8200</b>	
<b>Optical Parameters</b>		<b>Specs</b>	<b>Conditions</b>
Wavelength:		532+/-1nm	
Output Power:		200mW	At 25 deg C
Power Stability	2hours @ constant temp	+/-5%	After warm-up
	Over working temperature range	+/-25%	APC
Operating Temperature (Case)		5~45 deg C (Grade A) 10~40 deg C (Grade B) 20~30 deg C (Grade C)	Working temperature range APC Mode
Residual IR:		<0.5%	
Beam Diameter (Calculated)		0.2mm	At output window
Beam Divergence (Typical)		9.5mrad	Full angle, 1/e <sup>2</sup>
Beam Mode Quality:		<2	
Beam Roundness		>70%	
<b>Electrical Parameters</b>			
LD Working Current		<1600mA	
LD Working Voltage		<2.5V	
Photo Diode		640~2500μA @200mW	
<b>Mechanical Parameters</b>			
Laser Head Dimensions	Length: 22.2mm		
	Diameter: 12mm		
Beam Alignment Tolerance (Angle)		<20mrad	
<b>Reliability</b>			
Operating Humidity		5%~85%	
Storage Temperature		-40 to +80 deg C	
Shock		1000g, 1ms, 6 shock	
Vibration		20~2000Hz, 0.02g <sup>2</sup> /Hz	3 axes, 1hr/axis
Expected Lifetime (MTTF)		>2000hrs	
<b>Other notice</b>			
CDRH Class		IIIB	

## Temperature Performance

### Typical Output Performance



## Mechanical Drawing

