

WTO GLD-8200D

Key Features:

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

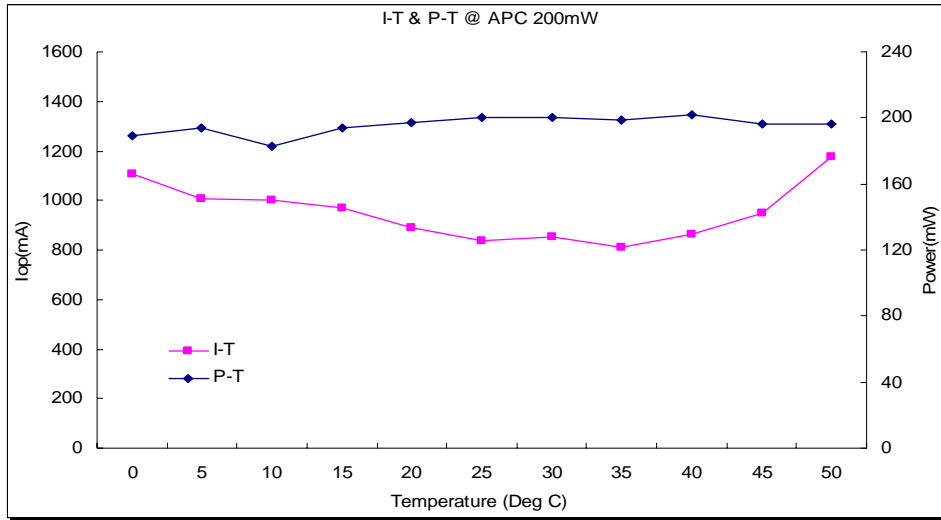
Applications:

Laser Aiming
 Surveying Equipments
 Laser Alignment & Pointing

Model Number		GLD-8200D	
Optical Parameters		Specs	Conditions
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 ²
Beam Mode Quality:		<2	
Beam Roundness		>70%	
Electrical Parameters			
LD Working Current		<1600mA	
LD Working Voltage		<2.5V	
Photo Diode		640~2500μA @200mW	
Mechanical Parameters			
Laser Head Dimensions	Length: 22.2mm		
	Diameter: 12mm		
Beam Alignment Tolerance (Angle)		<20mrad	
Reliability			
Operating Humidity		5%~85%	
Storage Temperature		-40 to +80 deg C	
Shock		1000g, 1ms, 6 shock	
Vibration		20~2000Hz, 0.02g ² /Hz	3 axes, 1hr/axis
Expected Lifetime (MTTF)		>2000hrs	
Other notice			
CDRH Class		IIIB	

Temperature Performance

Typical Output Performance



Mechanical Drawing

