

## DPGL-3020



### Key Features:

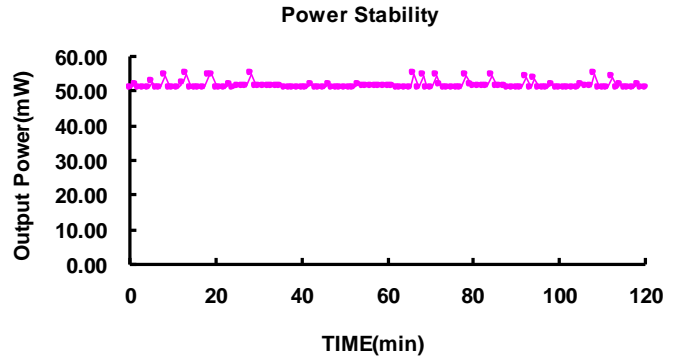
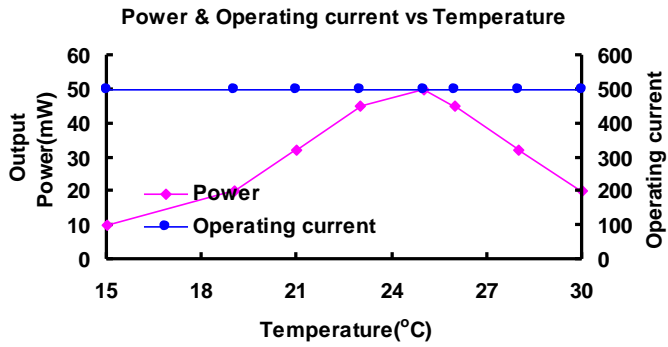
High Reliability  
Internal PD for Green Laser

### Applications:

Alignment Laser  
Defect Detecting  
Laser Light Show & Display  
Scanning Test & Measurement

Model Number		DPGL-3050			
Optical Parameters		Specs			Conditions
		Min	Typ	Max	
Wavelength		531nm	532nm	533nm	
Output Power		45mW	50mW	55 mW	At 25°C
Power Stability	2hours @ Constant Temp	-	+/-7.5%	-	
Operating Temperature (Case)		-	15~30 °C	-	
Residual IR		-	-	0.5%	
Beam Diameter		-	1.0mm	1.2mm	At output window
Beam Divergence		-	1.0mrad	1.2mrad	Full angle, 1/e <sup>2</sup>
Roundness		90%	95%	-	
M-Square		-	-	1.2	
Electrical Parameters					
LD Working Current		-	550mA	650mA	
LD Working Voltage		1.9V	2.2V	2.5V	
Warm Up Time		-	-	10minutes	At15°C
Mechanical Parameters					
Laser Head Dimensions	Length	-	77mm	-	
	Diameter	-	20mm	-	
Beam Alignment Tolerance	Position( $\Delta r$ )	-	-	1mm	
	Angle	-	-	10mrad	
Laser Weight		-	110g	-	
Reliability					
Operating Humidity		-	5%~85% R.H.	-	
Storage Temperature		-	-20 to +60 °C	-	
Shock		-	1500g, 0.5ms, 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

## Typical Output Performance



## Dimensions (Unit: mm)

