



DPGL-2050F

Key Features:

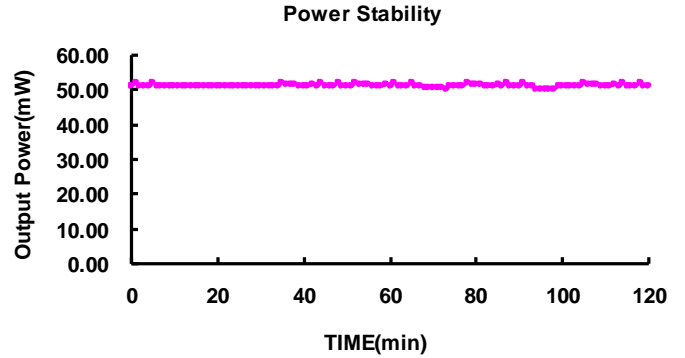
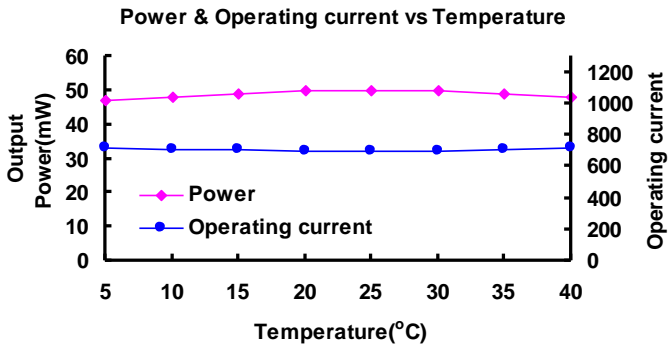
High Reliability
 High Power Stability
 Auto Power Control Function

Applications:

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

Model Number		DPGL-2050F			
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	-	+/-3%	-	
Operating Temperature (Case)		-	0~40 °C	-	
Residual IR		-	-	0.5%	
Beam Diameter		-	1.0mm	1.2mm	At output window
Beam Divergence		-	1.0mrad	1.2mrad	Full angle, 1/e ²
Roundness		90%	95%	-	
M-Square		-	-	1.2	
Electrical Parameters					
LD Working Current		-	700mA	1300mA	
LD Working Voltage		1.9V	2.2V	2.5V	
Warm Up Time		-	-	10minutes	At15°C
Mechanical Parameters					
Laser Head Dimensions	Length	-	146mm	-	
	Width	-	60mm	-	
	Height	-	46mm	-	
Beam Alignment Tolerance	Position(Δr)	-	-	1mm	
	Angle	-	-	10mrad	
Laser Weight		-	550g	-	
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 ² /Hz	-	3 axes, 1hr/axis
Expected Lifetime (MTTF)		5000hrs	-	-	Room temperature

Typical Output Performance



Dimensions (Unit: mm)

