PHOTOP
SUBSIDIARY OF II-VI INCORPORATED

FGMM-G-100

Key Features:
Low Cost
Mini Size
High Reliability
High Stability

Applications:
Laser Alignment
Biomedical Instrumentation
Digital Printing

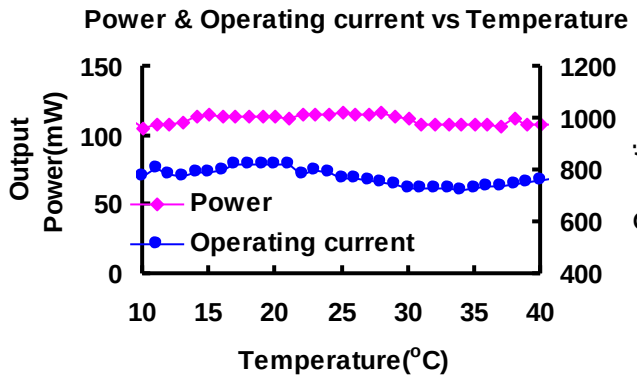
Model Number		FGMM-G-100			
Optical Parameters		**Specs**			**Conditions**
		Min	**Typ**	**Max**	
Wavelength		531nm	532nm	533nm	
Output Power		90mW	100mW①	120mW	At 25 °C
Power Stability	2hours @ Constant Temp	+/-1%	+/-2%	+/-5%	
	Over Operating Temp Range	+/-10%	+/-20%	+/-25%	
Operating Temperature (Case)		20~+30 °C	10~+40 °C	-	APC
Residual IR		-	-	0.5%	
Fiber Coupling Efficiency		80%	85%	90%	
Electrical Parameters					
LD Working Current		-	800mA②	1400mA	
LD Working Voltage		1.9V	2.1V	2.5V	
Monitor Current		0.32mA	0.75mA	1.25mA	
Fiber Parameters					
Fiber Type		-	62.5/125μm MM Fiber	-	
Fiber Numerical Aperture		-	0.275	-	
Mechanical Parameters					
Laser Head Dimensions	Length	-	52mm	-	
	Diameter	-	15 mm	-	
Reliability					
Operating Humidity		-	5%~85% R.H.	-	
Storage Temperature		-	-40 to +85 °C	-	
Shock		150m/s2, 6ms, semisinusoidal, 4000 shocks, z-axis 75m/s2, 6ms, semisinusoidal, 1000 shocks, x,y-axis			
Vibration		Amplitude = ±0.75mm, 10 Hz to 57 Hz sinusoidal, 20 cycles per axis Acceleration 1g, 57 to 500 Hz sinusoidal, Sweep Rate 1 Oct/min			
Expected Lifetime (MTTF)		5000hrs	-	-	Room temperature

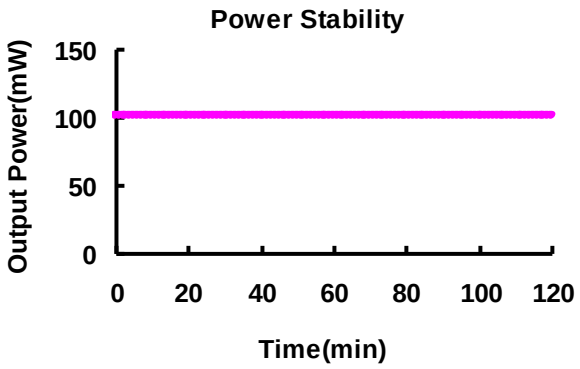
Note: ①50~100mW is optional
②100mW at 25 °C

Add: 2F, Building 65, 421 Hong Cao Road, Shanghai 200233, China
Tel: +86-21-64853978 Fax: +86-21-64850389 Email:laser@photoptech.com
Website: www.photoptech.com

Rev. B

Typical Output Performance

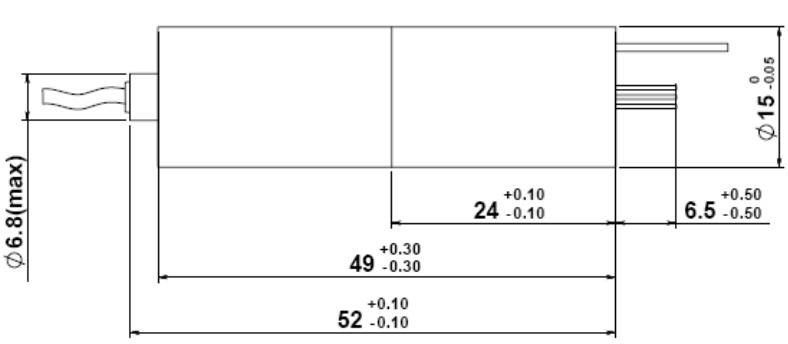


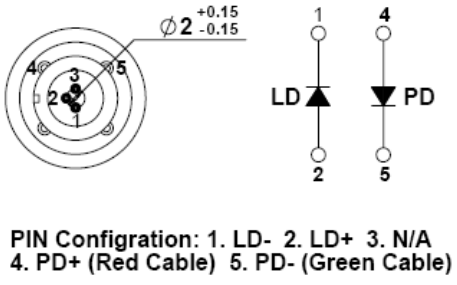


FGMM-G-100-LL-JJ-TT

G: Operating Temperature Grade	B=10~40℃
	C=20~30℃
LL： Fiber Length	05=0.5M
	10=1M
	00= To be Customized
JJ： Fiber Jacket (diameter)	01= 900μm buffer
	02=2.8mm PVC Jacket
	00= To be Customized
TT： Fiber Termination	01=No Connector
	02= FC/APC Connector
	03= FC/PC Connector
	00= To be Customized

Dimensions and Pin Configuration (Unit: mm)





PIN Configration: 1. LD- 2. LD+ 3. N/A
4. PD+ (Red Cable) 5. PD- (Green Cable)

Add: 2F, Building 65, 421 Hong Cao Road, Shanghai 200233, China
Tel: +86-21-64853978 Fax: +86-21-64850389 Email:laser@photoptech.com
Website: www.photoptech.com