

FGMM-532-100-10-10-00-A

Key Features:

High Reliability

High Stability

Applications:

Laser Alignment

Raman Spectrometer

Biomedical Instrumentation

Digital Printing

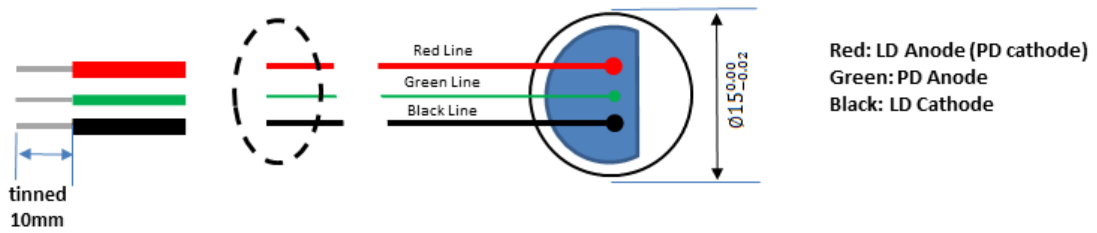
Model Number		FGMM-532-100-10-10-00-A			
Optical Parameters	Specs			Conditions	
	Min	Typ	Max		
Wavelength	531nm	532nm	533nm	@P _o =100mW & @25°C	
Output Power	80mW	100mW ^①	120mW	@25°C	
LD Working Current	-	1150 mA	1500mA	@P _o =100mW & @25°C	
Monitor Current	300μA	1000μA	1500μA	@P _o =100mW & @25°C	
Power Stability @2hours	-	-	+/-5%	@P _o =100mW & @25°C	
LD Working Voltage	-	2.5V	3.0V	@P _o =100mW & @25°C	
Laser Operating Mode	APC			-	
Working Temperature	10°C	25°C	40°C		
Fiber Parameters					
Fiber Type	105μm/125μm MM Fiber			-	
Fiber Numerical Aperture	-	0.22	-	-	
Fiber Length	1m	-	-	-	
Fiber Jacket (diameter)	900um buffer			-	
Fiber Termination ^②	Without Connector				
Mechanical Parameters					
Laser Head Dimensions	Length	55mm	60mm ^③	62mm	
	Diameter	-	15mm	-	
Laser Wire Lead Length	250mm	-	-		
Reliability					
Storage Humidity	5%~85% R.H.			Non-condensing	
Storage Temperature	-20 to +60°C			Non-condensing	
Shock	30g, 11ms, 3 times / axis, 6 axes tested				
Vibration	2g, 5-500Hz, 10 cycles/axis, 4mins/cycles, 3 axes tested				
Expected Lifetime (MTTF)	5000hrs@rated power & Room Temperature				

 Note: ^① Output power from the fiber termination ;

^② FC/APC , FC/PC or SMA905 is optional;

^③ Not including the fiber boot length

Dimensions (Unit: mm)



Wire Color	LD Pin	Wire Type
RED	LD Anode;PD Cathode	U1007 22AWG
BLACK	LD Cathode	U1007 22AWG
GREEN	PD Anode	UL10109 26AWG

PRELIMINARY