



## FGPM-532-050-10-10-00-A

**Key Features:**

High Reliability  
 High Stability  
 High Polarization Extinction Ratio

**Applications:**

Laser Alignment  
 Raman Spectrometer  
 Biomedical Instrumentation  
 Digital Printing

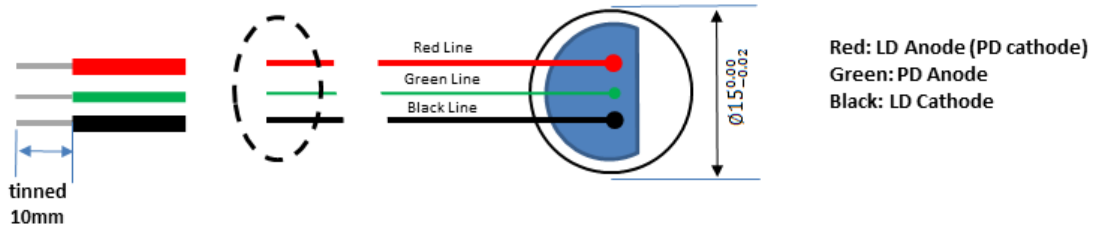
Model Number		FGPM-532-050-10-10-00-A			
Optical Parameters	Specs			Conditions	
	Min	Typ	Max		
Wavelength	531nm	532nm	533nm	@P <sub>O</sub> =50mW & @25°C	
Output Power	45mW	50mW <sup>①</sup>	55mW	@25°C	
LD Working Current	-	1300 mA	1700mA	@P <sub>O</sub> =50mW & @25°C	
Monitor Current	100μA	1000μA	2500μA	@P <sub>O</sub> =50mW & @25°C	
Polarization Extinction Ratio	15dB	-	-	@P <sub>O</sub> =50mW & @25°C	
Power Stability @2hours	-	-	+/-5%	@P <sub>O</sub> =50mW & @25°C	
LD Working Voltage	-	2.5V	3.0V	@P <sub>O</sub> =50mW & @25°C	
M-Square	-	-	1.1		
Laser Operating Mode	APC			-	
Working Temperature	10°C	25°C	40°C		
<b>Fiber Parameters</b>					
Fiber Type	3.3μm/125μm PM fiber			-	
Fiber Numerical Aperture	-	0.12	-	-	
Fiber Length	1m	-	-	-	
Fiber Jacket (diameter)	900um buffer			-	
Fiber Termination <sup>②</sup>	Without Connector				
<b>Mechanical Parameters</b>					
Laser Head Dimensions	Length	55mm	60mm <sup>③</sup>	62mm	
	Diameter	-	15mm	-	
Laser Wire Lead Length	250mm	-	-		
<b>Reliability</b>					
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: <sup>①</sup>Output power from the fiber termination ; 20~50mW is optional

<sup>②</sup>FC/APC , FC/PC or SMA905 is optional;

<sup>③</sup>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