



## FGPM-532-Po-10-10-00-A

**Key Features:**

High Reliability

High Stability

High Polarization Extinction Ratio

**Applications:**

Laser Alignment

Raman Spectrometer

Biomedical Instrumentation

Digital Printing

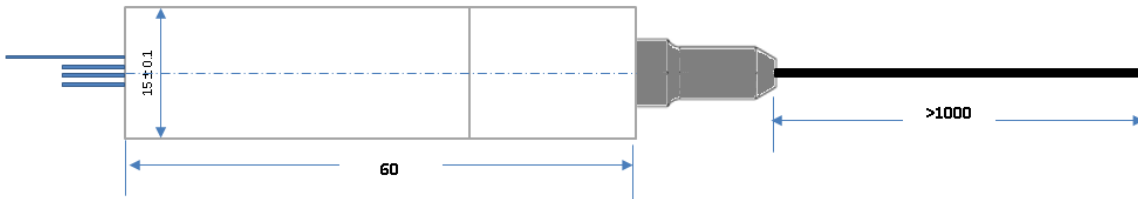
Model Number		FRPM-660-Po <sup>①</sup> -10-10-00-A			
Optical Parameters		Specs			Conditions
		Min	Typ	Max	
Wavelength		531nm	532nm	533nm	@ Rated Power & 25°C
Output Power	Po=001	-	1mW	-	@25°C
	Po=010	-	10mW	-	@25°C
	Po=020	-	20mW	-	@25°C
LD Working Current	Po=001	-	270 mA	300mA	@Po=1mW & @25°C
	Po=010	-	300 mA	400mA	@Po=10mW & @25°C
	Po=020	-	350 mA	450mA	@Po=20mW & @25°C
Monitor Current		30μA	300μA	700μA	@ Rated Power & 25°C
Polarization Extinction Ratio		15dB	-	-	@ Rated Power & 25°C
Power Stability @2hours		-	-	+/-5%	@ Rated Power & 25°C
LD Working Voltage		-	2.5 V	3.0V	@ Rated Power & 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	-	60mm <sup>③</sup>	62mm	
	Diameter	-	15mm	-	-
<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 ; 1~20mW is optional

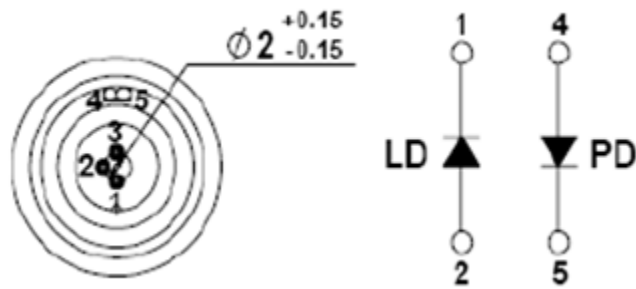
② FC/APC , FC/PC or SMA905 is optional;

③ Not including the fiber boot length

### Dimensions (Unit: mm)

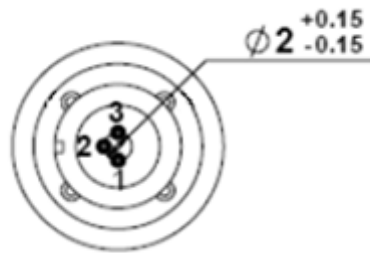


### Pin Configuration:



for  $P_o=1\sim 10\text{mW}$

1:LD Cathode; 2:LD Anode 3:N/A 4:PD Anode 5:PD Cathode



for  $P_o=20\text{mW}$

1:LD Cathode; 2:COM (LD Anode, PD Cathode) 3:PD Anode