



### Polarization-Maintained Fiber Coupled Blue Laser Diode

**Key Features:**

- Low Noise
- Mini Size
- High Reliability
- High Stability
- High Polarization Extinction Ratio

**Applications:**

- Laser Display
- Laser Pointer
- Survey Equipments
- Test and Measurement Source

Model Number	FBPM-01	FBPM-05	FBPM-30
<b>Optical Parameters</b>			
Peak Wavelength ①	405±10 nm, 445±10 nm		
Output Power from Fiber	1mW	5mW	30mW
Power Stability (8hrs)	APC, @ constant temp <+/-2%		
Operating Temperature (Case)	0~60 deg C		
Mode Quality (M2)	<1.1		
Fiber Coupling Efficiency	40%		
Polarization Extinction Ratio	>20dB		
<b>Electrical Parameters</b>			
Laser Operating Mode	APC		
LD Working Current	<60mA	<100mA	<140mA
LD Working Voltage	<6.1V		
Photo Diode	Internal included		
<b>Fiber Parameters</b>			
Fiber Type	3.5/125µm PM Fiber		
Fiber Numerical Aperture	0.13		
<b>Mechanical Parameters</b>			
Laser Dimensions	Length	26 mm	
	Diameter	8 mm	
<b>Reliability</b>			
Operating Humidity	5%~85% R.H.		
Storage Temperature	-40 to +85 deg C		
Expected Lifetime (MTTF)	>10000hrs		

①Can be Customized

### Order Information:

**FBPM— WWW — PP — LL — JJ — TT**

WWW: Peak Wavelength	405=405 nm
	445=445 nm
	000= To be Customized
PP: Output Power from Fiber	01=1mW
	05=5mW
	30=30mW
	00= To be Customized
LL: Fiber Length	05=0.5M
	10=1M
	15=1.5M
	20=2M
	00= To be Customized
JJ: Fiber Jacket (diameter)	01= 900µm black buffer
	02=2.8mm PVC Jacket
	00= To be Customized
TT: Fiber Termination	01=No Connector
	02= FC/APC Connector
	00= To be Customized

### Mechanical Drawing

