

## DPBL-9020F



### Key Features:

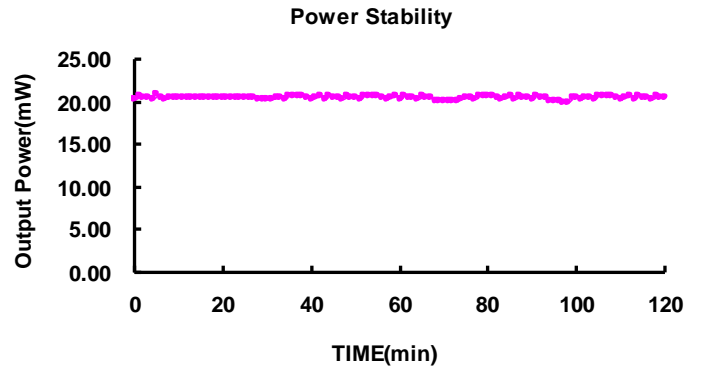
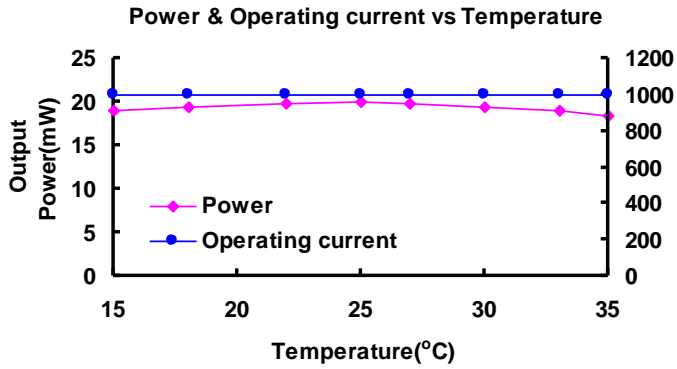
High Reliability  
 High Power Stability  
 Auto Power Control Function

### Applications:

Biotechnology  
 Raman Spectroscopy

Model Number	DPBL-9020F			
Optical Parameters	Specs			Conditions
	Min	Typ	Max	
Wavelength	472nm	473nm	474nm	
Output Power	18mW	20mW	22 mW	At 25°C
Power Stability	2hours @ Constant Temp	-	+/-2.5%	-
Operating Temperature (Case)	-	0~40 °C	-	
Residual IR	-	-	0.5%	
Beam Diameter	-	1.0mm	1.2mm	At output window
Beam Divergence	-	1.0mrad	1.2mrad	Full angle, 1/e <sup>2</sup>
Roundness	80%	85%	-	
M-Square	-	-	1.2	
<b>Electrical Parameters</b>				
LD Working Current	-	1000mA	1300mA	
LD Working Voltage	1.9V	2.2V	2.5V	
Warm Up Time	-	-	10minutes	At15°C
<b>Mechanical Parameters</b>				
Laser Head Dimensions	Length	-	156mm	-
	Width	-	73mm	-
	Height	-	46.2mm	-
Beam Alignment Tolerance	Position( $\Delta r$ )	-	-	1mm
	Angle	-	-	10mrad
Laser Weight	-	600g	-	
<b>Reliability</b>				
Operating Humidity	-	5%~85% R.H.	-	
Storage Temperature	-	-20 to +60 °C	-	
Shock	-	1500g, 0.5ms, 6 shocks	-	3 axes, 2 shocks/axis
Vibration	-	20~2000Hz, 0.02g <sup>2</sup> /Hz	-	3 axes, 1hr/axis
Expected Lifetime (MTTF)	5000hrs	-	-	Room temperature

## Typical Output Performance



## Dimensions (Unit: mm)

