

Characteristics
Output Power 110W
Fiber Coupling 105μm
Fiber Core Dia. 0.22NA
PD, thermistor optional
Fiber laser feedback protection
Application
Fiber laser pumping

Parameter		Symbol	Typical	Unit
Optical	CW Out Power	$P_{op}$	110	W
	Center Wavelength	$\lambda$	976±3	nm
	Spectral Width (90% of Power)	$\Delta\lambda$	<6.0	nm
	Wavelength Shift width Temperature	$\Delta\lambda/\Delta T$	0.3	nm / °C
	Feedback Protection(1030-1100nm)	FP	>40	dB
Electrical	Threshold Current	$I_{th}$	0.5	A
	Operating current	$I_{op}$	9.2	A
	Operating Voltage	$V_{op}$	24.5	V
	Slop Efficiency	$\eta_{es}$	12.6	W / A
	Power Conversion Efficiency	$\eta_{ep}$	49	%
Fiber	Fiber Core Diameter	$d_{core}$	105	μm
	Fiber Cladding Diameter	$d_{clad}$	125	μm
	Fiber Buffer Diameter	$d_{buffer}$	250	μm
	Numerical Aperture	NA	0.22	-
	Fiber Length	L	1.0	m

Changchun New Industries Optoelectronics Tech. Co., Ltd  
<http://www.cnilaser.com>

◆ CONTACT

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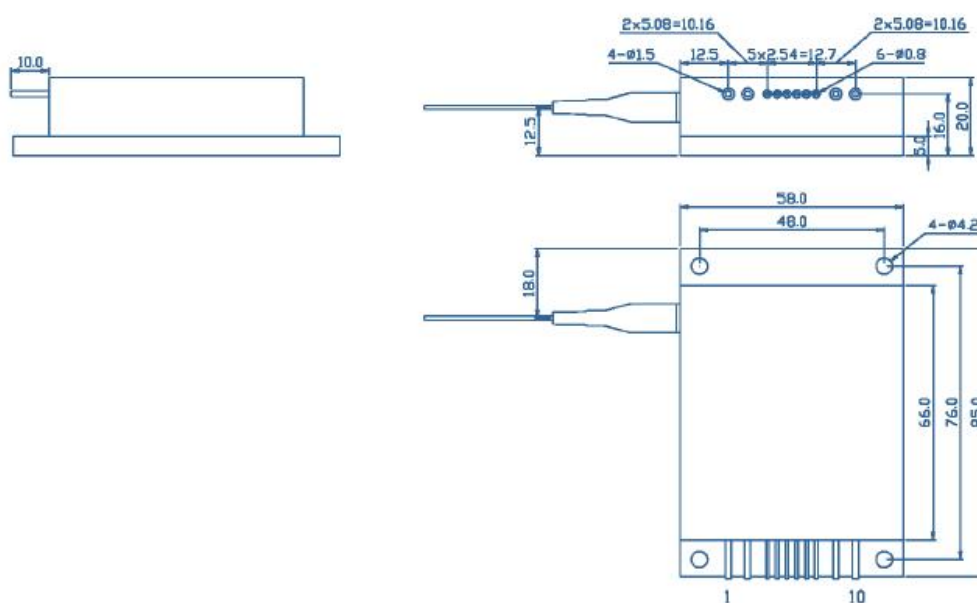
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## Other Parameters

Parameter	Operating Temperature/°C	Operating Relative Humidity/%	Storage Temperature/°C	Storage Relative Humidity/%	Lead Soldering Temperature, 10s max/°C
Min	10	-	-20	-	-
Max	40	75	80	90	250

## Package Dimensions (mm)



Pins and Functions			
Pin	Function	Pin	Function
1	LD(-)	6	PD(N)
2	LD(-)	7	Aiming Beam LD(+)
3	Thermisto	8	Aiming Beam LD(-)
4	Thermisto	9	LD(+)
5	PD(P)	10	LD(+)



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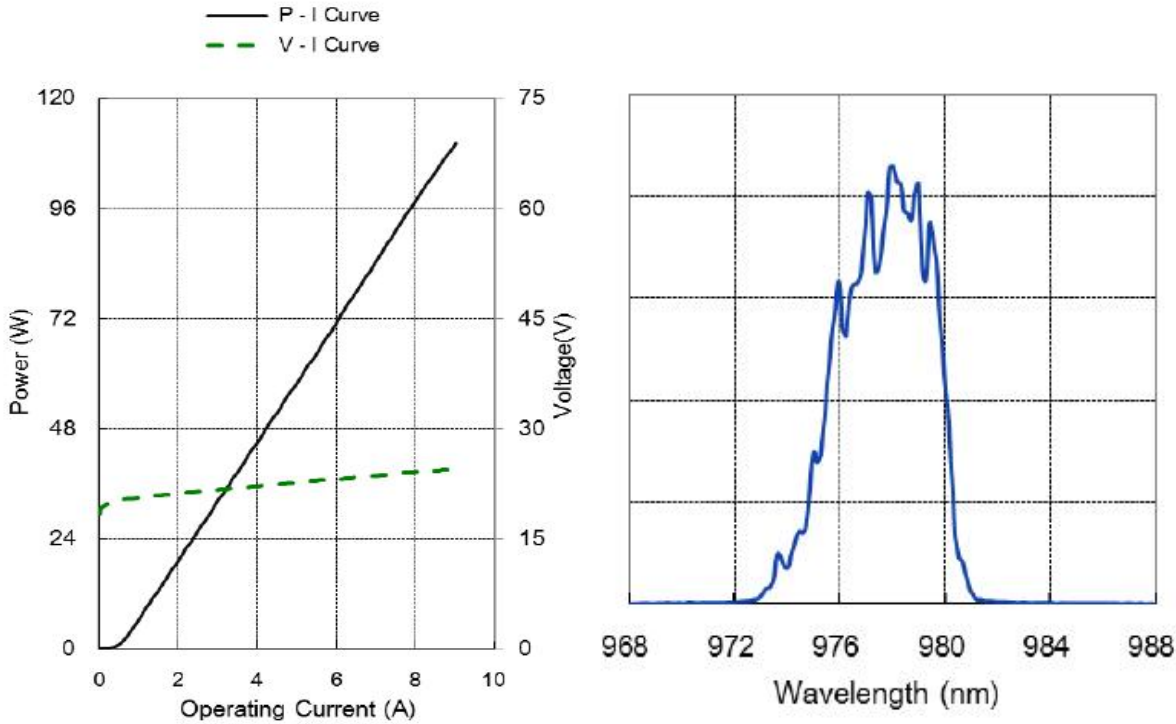


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## 976nm Diode Laser Characteristics (25°C)



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