

Characteristics
Output Power 70W
Fiber Coupling 105μm
Fiber Core Dia. 0.22NA
PD, thermistor optional
Fiber laser feedback protection
Application
Fiber laser pumping, Medical use, Material processing

Parameter		Symbol	Typical	Unit
Optical	CW Out Power	P_{op}	70	W
	Center Wavelength	λ	915±10	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}	0.7	A
	Operating current	I_{op}	10.5	A
	Operating Voltage	V_{op}	13.6	V
	Slop Efficiency	η_{es}	7.0	W / A
	Power Conversion Efficiency	η_{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

No.888, Jinhu Road, High-tech zone, Changchun 130103, China

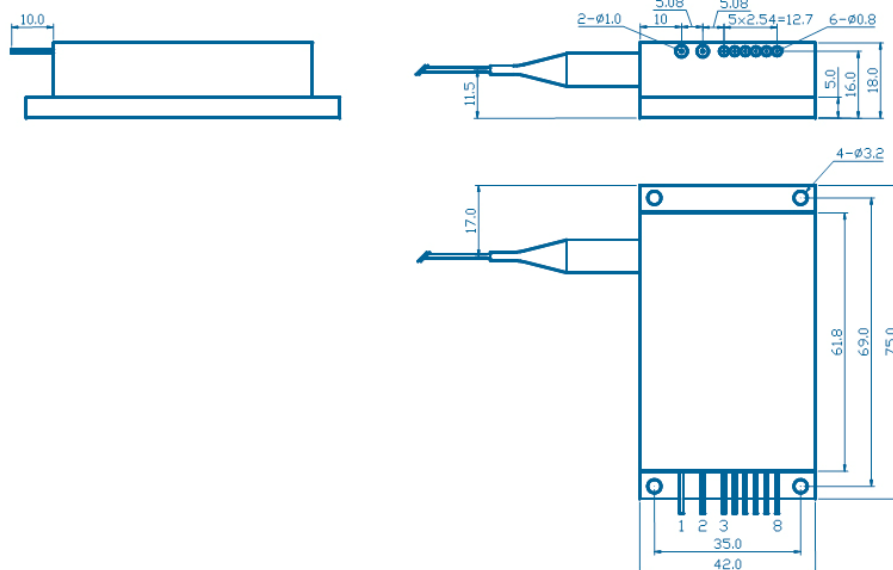
Phone: 0086-431-87033597

Fax: 0086-431-87033597

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	Laser(+)	5	Thermistor
2	Laser (-)	6	Thermistor
3	PD(N)	7	NA
4	PD(P)	8	NA



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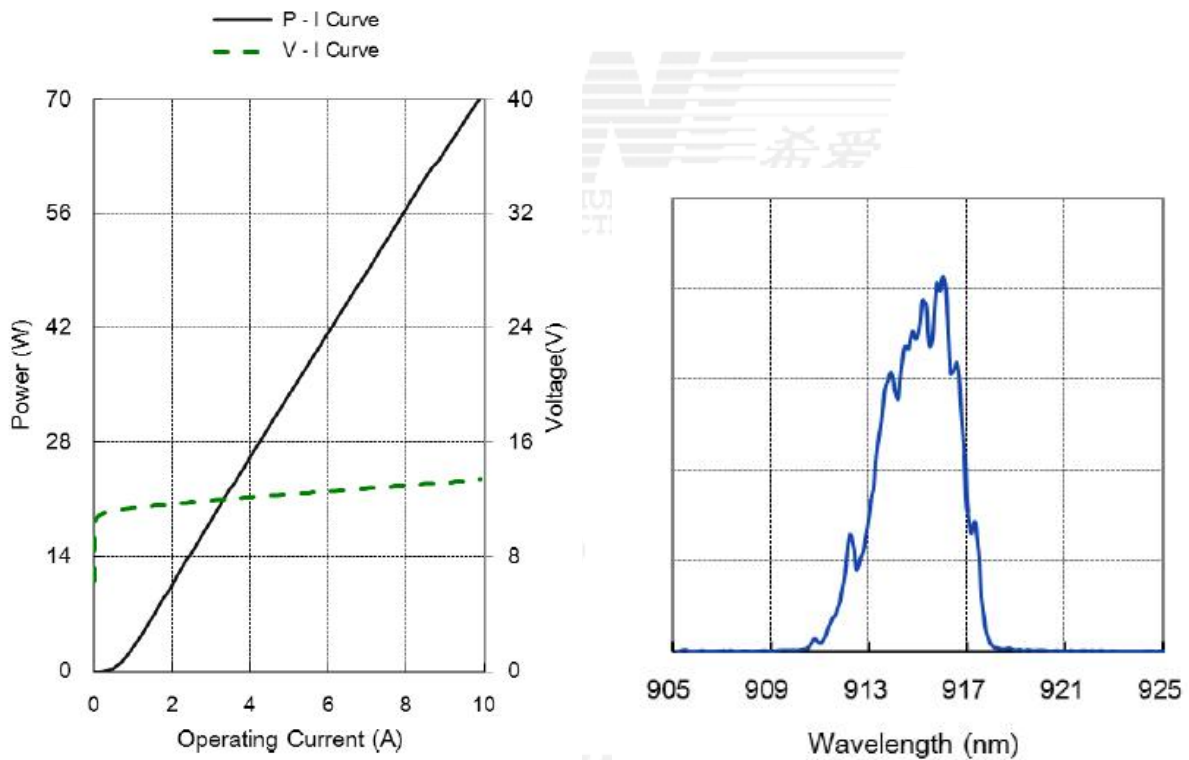
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915nm Diode Laser Characteristics (25°C)



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130103, China

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Fax: 0086-431-87033597

