

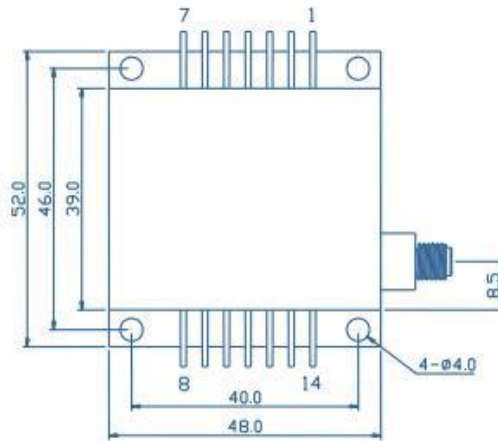
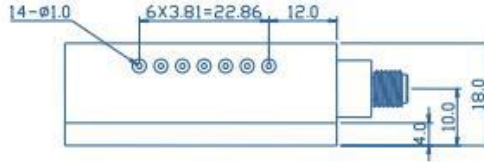
Characteristics
Output Power: 40W
Wavelength: 808nm
Fiber Core Diameter: 200μm
Numerical Aperture: 0.22
Applications
Pumping Source for Solid-state Laser
Material processing

Parameter		Symbol	Typical	Unit
Optical	CW Out Power	P_{op}	40	W
	Center Wavelength	λ	808±3	nm
	Spectral Width (90% of Power)	$\Delta \lambda$	<3.0	nm
	Wavelength Shift with Temperature	$\Delta \lambda / \Delta T$	0.3	nm / °C
Electrical	Threshold Current	I_{th}	2.0	A
	Operating current	I_{op}	10.0	A
	Operating Voltage	V_{op}	9.6	V
	Slope Efficiency	η	5.0	W/A
	Power Conversion Efficiency	η_{ep}	42	%
Fiber	Core Diameter	d_{core}	200	μm
	Cladding Diameter	d_{clad}	220	μm
	Buffer Diameter	d_{buffer}	500	μm
	Numerical Aperture	NA	0.22	-
	Fiber Length	L	1.0	m
	Connector	-	Bare Fiber, SMA905	-
Accessories	Monitor Photodiode	-	Optional	-

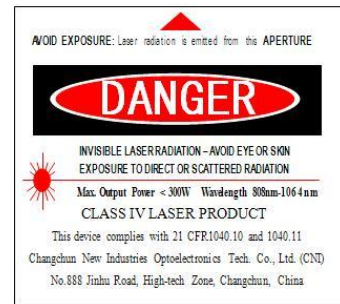
Other Parameters

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

T6 Package Dimensions (mm)



Pins and Functions			
P	Function	Pin	Function
1	LD (+)	8	Aiming Beam LD (+)
2	PD (N)	9	Aiming Beam LD (-)
3	PD(P)	10	-
4	Thermistor	11	-
5	Thermistor	12	-
6	-	13	-
7	LD (-)	14	-



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