

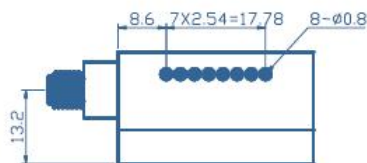
Characteristics
Output Power, 10W
Fiber Coupling 400μm
Fiber Core Dia. 0.22NA
Application
Laser pumping, Material processing, Medical use
Accessories
Optional aiming beam (650nm), Monitor photo diode, Thermistor, Fiber connector detector

Parameter		Symbol	Typical	Unit
Optical	CW Out Power	$P_{op}$	10	W
	Center Wavelength	$\lambda$	1064±10	nm
	Spectral Width (90% of Power)	$\Delta\lambda$	<7.0	nm
	Wavelength Shift width Temperature	$\Delta\lambda/\Delta T$	0.35	nm / °C
Electrical	Threshold Current	$I_{th}$	0.35	A
	Operating current	$I_{op}$	3.7	A
	Operating Voltage	$V_{op}$	7.2	V
	Slop Efficiency	$\eta_{es}$	2.7	W/A
	Power Conversion Efficiency	$\eta_{ep}$	38	%
Aiming Laser	CW Output Power	$P_{pb}$	>2	mW
	Center Wavelength	$\lambda_{pb}$	650±10	nm
	Operating Current	$I_{pb}$	<30	mA
	Operating Voltage	$V_{pb}$	~2.2	V
Fiber	Fiber Core Diameter	$d_{core}$	400	μm
	Fiber Cladding Diameter	$d_{clad}$	440	μm
	Fiber Buffer Diameter	$d_{buffer}$	700	μm
	Numerical Aperture	NA	0.22	-
	Fiber Length	L	-	m
	Fiber Connector	-	SMA905	-

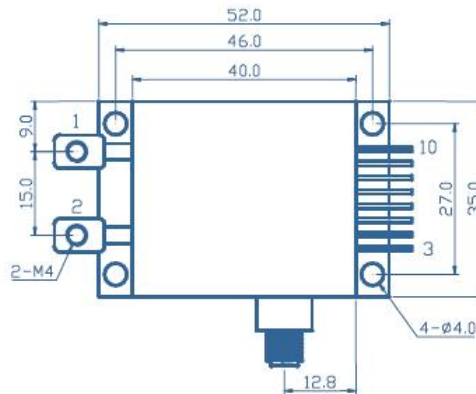
## Other Parameters

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)



Pin-Out Assignment	
Pin	Function
1	LD (-)
2	LD (+)
3	
4	
5	Aiming Beam LD (+)
6	Aiming Beam LD (-)
7	PD (N)
8	PD (P)
9	Thermistor
10	Thermistor



\* Pin4 is connected with the case.

Pin3 is connected with pin4 when the fiber connector is fully inserted into the fiber adapter of the module.



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