

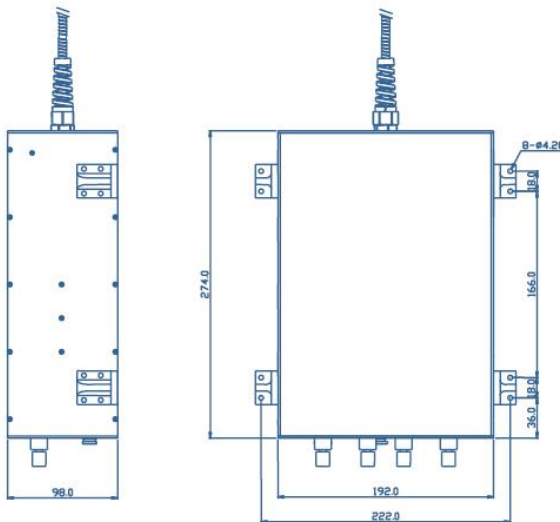
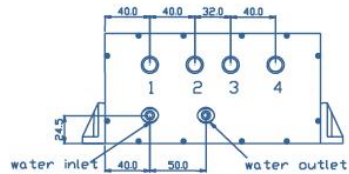
Characteristics
Output Power 500W
Wavelength: 808nm
Fiber Coupling 1000μm
Fiber Core Dia. 0.22NA
Applications
Medical use, Material processing

Parameter		Symbol	Typical	Unit
Optical	CW Out Power	P_{op}	500	W
	Center Wavelength	λ	808±10	nm
	Spectral Width (90% of Power)	$\Delta\lambda$	<10	nm
	Wavelength Shift width Temperature	$\Delta\lambda/\Delta T$	0.35	nm / °C
Electrical	Threshold Current	I_{th}	1.5	A
	Operating current	I_{op}	11	A
	Operating Voltage	V_{op}	110	V
	Slop Efficiency	η_{es}	58	W / A
	Power Conversion Efficiency	η_{ep}	41	%
Fiber	Fiber Core Diameter	d_{core}	1000	μm
	Numerical Aperture	NA	0.22	-

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
1	LD(-)
2	LD(+)
3	-
4	-



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