

High Power VCSEL Laser Heater PR-HPLH-3500-W0976

- The output beam can be projected as a continuous line heater for printing applications
- The length of the line heater is scalable and can be designed to customer spec.



Optical & Electrical Characteristics

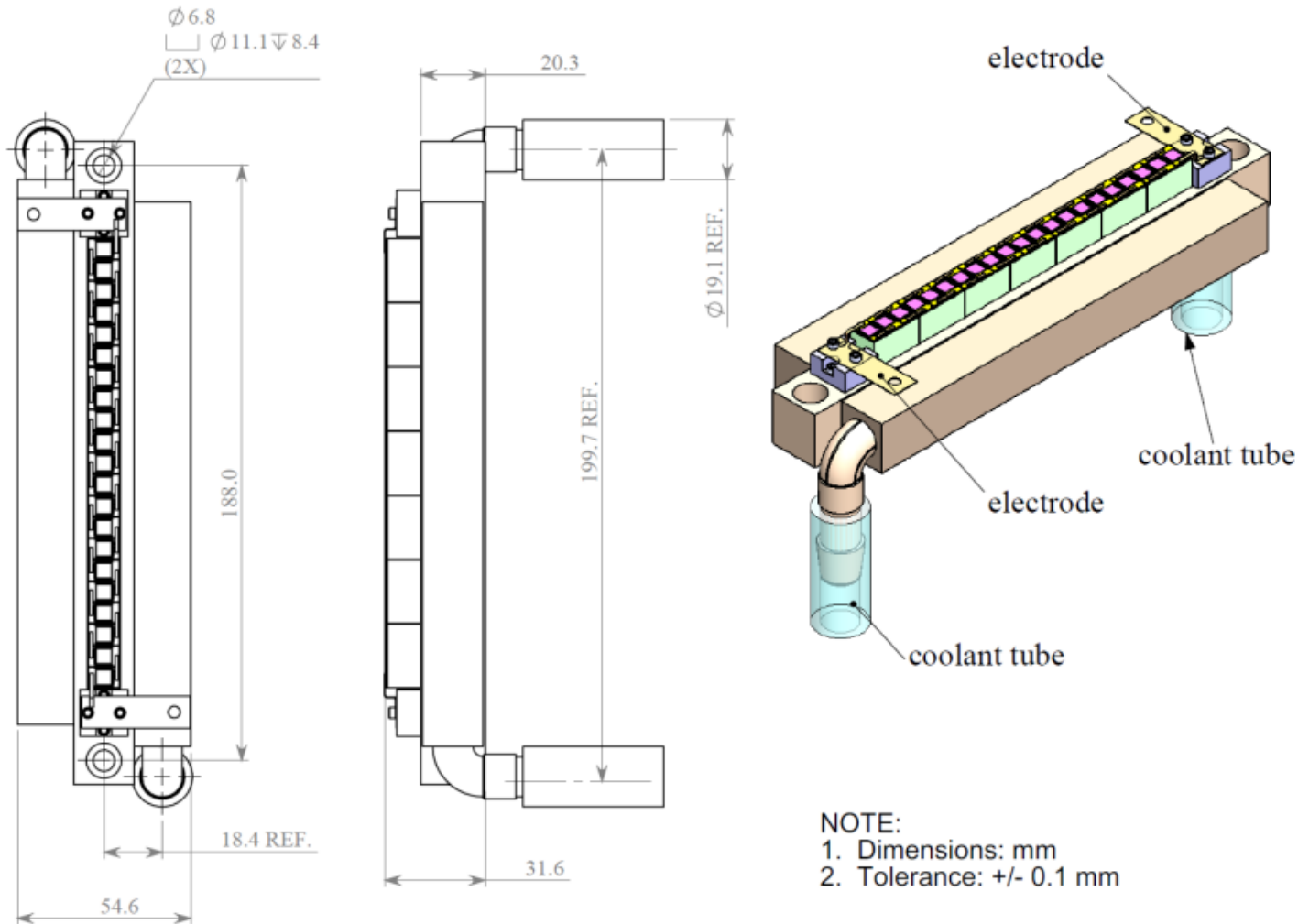
PARAMETER	CONDITIONS	MIN	TYP	MAX	UNIT
CW Output power	70A, 20°C Heat-sink	3,200	3,500	--	W
Linear power density	70A, 20°C Heat-sink	230	250	--	W/cm
Threshold current	20°C Heat-sink	--	20	--	A
Conversion efficiency	P _{OUT} , 20°C Heat-sink	35	38	42	%
Center wavelength	P _{OUT} , 20°C Heat-sink	960	976	990	nm
Spectral width (FWHM)	P _{OUT} , 20°C Heat-sink	10	15	30	nm
Wavelength shift	20°C Heat-sink	--	--	0.070	nm/°C
N.A. (4-σ)	4W, 20°C Heat-sink	--	0.17	0.22	--
Individual emission areas	--	--	4.7 x 4.7	--	mm ²
Number of emission areas	--	--	21	--	--
Gap between emission areas	--	--	2	--	mm

Ordering Information

PR-HPLH-3500-W0976

Packaging ┌ ┌ Wavelength (nm)
└ └ CW Output Power (W)

Mechanical Characteristics

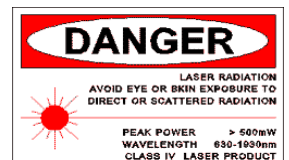


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Laser diode product components are intended for use in a user-devised end system. However, these products are capable of emitting Class IV radiation. Extreme care must be exercised during their operation. Only persons familiar with the appropriate safety precautions should operate a laser product. Directly viewing the laser beam or exposure to specular reflections must be avoided. Serious injury may result if any part of the body is exposed to the beam. The eye is extremely sensitive to the infrared radiation and therefore, proper eye-wear must be worn at all times. Use of optical instruments with these products may increase eye hazard. Always wear eye protection when operating.



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