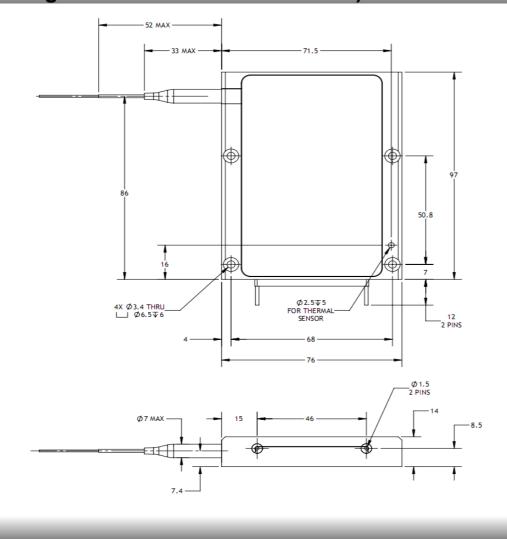
ECCN: EAR99 4

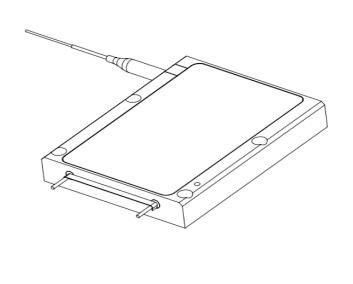
**Item Description** Model

e18-18-175-0878.6-1-200-0.22-SI-SMA-1.5-KL-VBG e18.1750879200

	Units	Lower Spec	Typical	Upper Spec
Optical				
CW Output Power	W	175	175	
Wavelength Peak	nm	877.6	878.6	879.6
Spectral Width (FWHM)	nm		0.3	1.0
NA within 95% Power Enclosure	-		0.19	
Fiber Core / Clad Diameter	μm		200 / 220	
Fiber NA / Index Type	-		0.22 NA / Step Index	
Back Reflection Isolation 1060 - 1200nm	dB	15		
Electrical				
Electrical-to-Optical Efficiency	%		44	
Threshold Current	Α		1.8	
Operating Current	Α		13.0	14.0
Operating Voltage	V		30.5	31.0
Wavelength Stabilized Operating Current ⁵	Α	9		16
Mechanical				
Mass	g		510	
Fiber Length	m	1.4	1.5	1.6
Active Fiber Bend Radius	mm	35		
Fiber Jacketing	-		3 mm Kevlar Tubing	
Fiber Termination	-		SMA	
Thermal				
Waste Heat	W		222	
Operating (Housing) Temperature <sup>2,3</sup>	°C		+30	
Wavelength Temperature Coefficient	nm / °C	!	0.01	

## Outline Drawing (Package Dimension 97 x 76 x 14 mm)





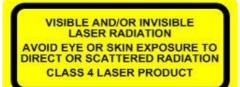
RoHS

compliant

## **Notes**

- <sup>1</sup> Production specification shown are for beginning of life performance. End of life operating current (lop) is 110% beginning of life lop.
- <sup>2</sup> A non-condensing environment is required for operation and storage. Storage conditions are from -20 to +70 °C with relative humidity between 5 to 85 %.
- 3 Operating temperature defined by the package housing.
- 4 Export Control Classification Number (ECCN) as defined by the Export Administration Regulations (EAR).
- 5 Wavelength stabilized to >95 % power in band of 877.1 nm to 880.1 nm at the rated operating temperature.

This product is not certified in accordance with IEC 60825-1 or 21CFR1040.10/ 21CFR1040.11 and is solely intended to be integrated into a laser product certified by the Purchaser. The Purchaser acknowledges that their product (incorporating the nLIGHT laser product) must comply with the applicable regulations before it can be sold.



## Notice

nLIGHT continually improves its products to provide customers with outstanding quality and reliability, therefore may change certain specifications and product descriptions at any time, without notice. Additionly, nLIGHT offers a limited warranty to ensure customer satisfaction. For complete details, please contact an nLIGHT sales



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