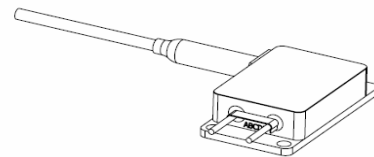
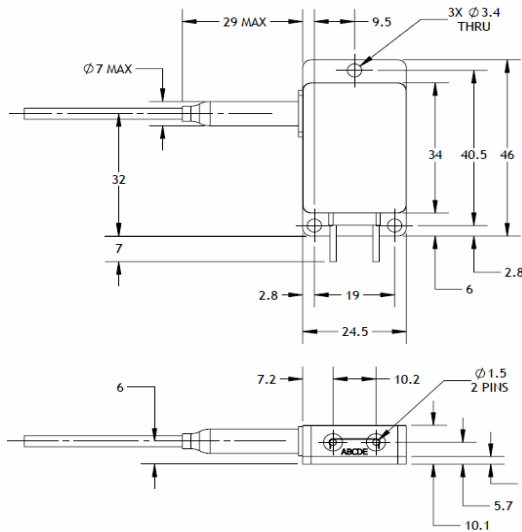


Item Description **e03-03-015-0808-3-200-0.22-SI-SMA-1.5-KL**  
 Model **e03.0150808200**

ECCN: EAR99<sup>4</sup>

	Units	Lower Spec	Typical	Upper Spec
<b>Optical</b>				
CW Output Power	W	15	15	
Wavelength Centroid	nm	805.0	808.0	811.0
Spectral Width (FWHM)	nm		1.8	4.0
Power within 0.13 NA	%		95	
Fiber Core / Clad Diameter	µm		200 / 220	
Fiber NA / Index Type	-		0.22 NA / Step Index	
<b>Electrical</b>				
Electrical-to-Optical Efficiency	%		49	
Threshold Current	A		1.4	
Operating Current	A		6.0	7.2
Operating Voltage	V		5.1	6.1
<b>Mechanical</b>				
Mass	g		60	
Fiber Length	m	1.4	1.5	1.6
Active Fiber Bend Radius	mm	35		
Fiber Jacketing	-		3 mm Kevlar Strand Furcation Tubing	
Fiber Termination	-		SMA	
<b>Thermal</b>				
Thermal Resistance	°C / W		1.3	
Waste Heat	W		16	
Operating (Housing) Temperature <sup>2,3</sup>	°C		+30	
Wavelength Temperature Coefficient	nm / °C		0.28	
Wavelength Current Coefficient	nm / A		0.7	

**Outline Drawing (Package Dimension 46 x 24.5 x 10.1 mm)**



**Notes**

- <sup>1</sup> Production specification shown are for beginning of life performance. End of life operating current (Iop) is 120% beginning of life Iop.
- <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 %.
- <sup>3</sup> Operating temperature defined by the package housing. Acceptable operating range is 20 - 35C, but performance may vary.
- <sup>4</sup> Export Control Classification Number (ECCN) as defined by the Export Administration Regulations (EAR)



**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. Additionally, nLIGHT offers a limited warranty to ensure customer satisfaction. For complete details, please contact an nLIGHT sales representative.



nLight Corporation  
 5408 NE 88th Street, Bldg E  
 Vancouver, Washington 98665  
 United States of America  
 Phone: 866.202.4488  
 360.566.4460  
 Fax: 360.546.1960  
 e-mail: sales@nlight.net  
 web: www.nlight.net

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.