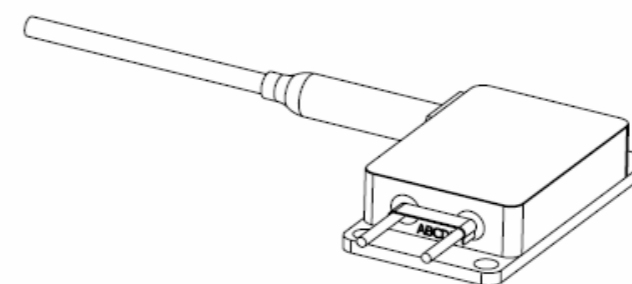
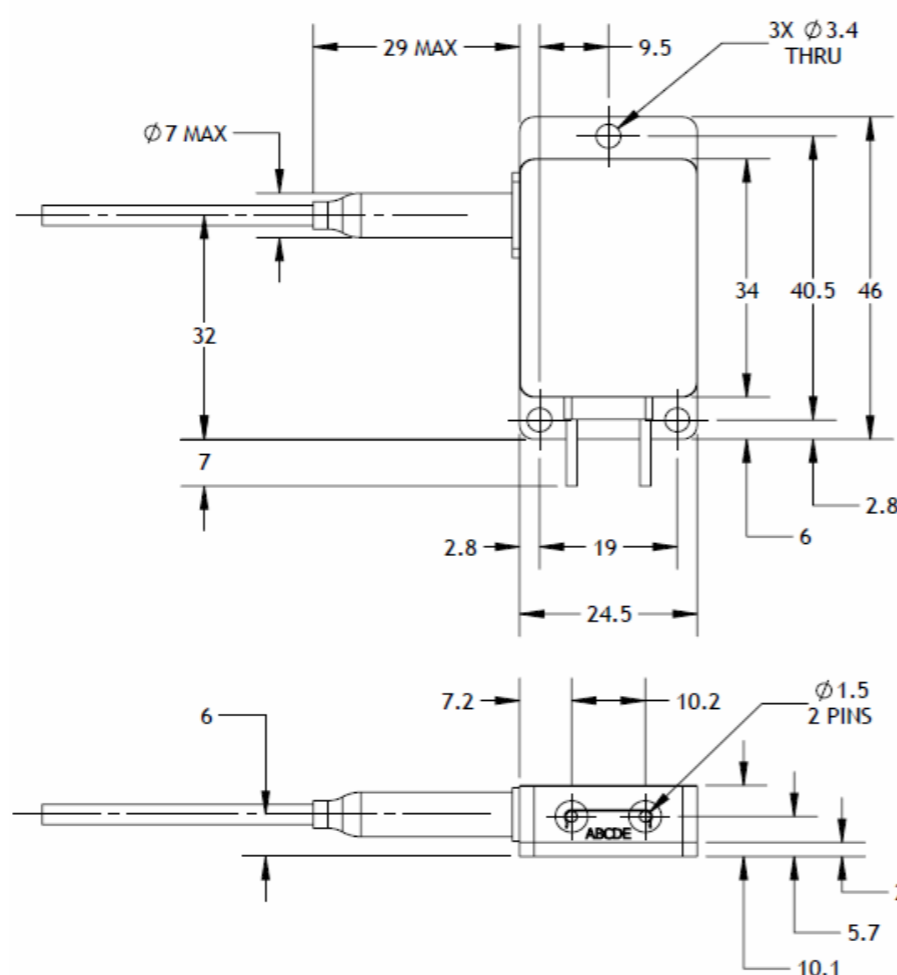


**Item Description** e03-03-025-0808-3-400-0.22-SI-SMA-1.5-KL  
**Model** e03.0250808400

**ECCN:** EAR99<sup>4</sup>

	Units	Lower Spec	Typical	Upper Spec
<b>Optical</b>				
CW Output Power	W	25	25	
Wavelength Centroid	nm	805.0	808.0	811.0
Spectral Width (FWHM)	nm		1.8	4.0
NA within 95% Power Enclosure	-		0.12	
Fiber Core / Clad Diameter	µm		400 / 480	
Fiber NA / Index Type	-		0.22 NA / Step Index	
Back Reflection Isolation 1060 - 1200nm	dB	15		
<b>Electrical</b>				
Electrical-to-Optical Efficiency	%		44	
Threshold Current	A		2.8	
Operating Current	A		10.6	12.0
Operating Voltage	V		5.3	6.0
<b>Mechanical</b>				
Mass	g		60	
Fiber Length	m	1.4	1.5	1.6
Active Fiber Bend Radius	mm	100		
Fiber Jacketing	-		3 mm Kevlar Tubing	
Fiber Termination	-		SMA	
<b>Thermal</b>				
Waste Heat	W		31	
Operating (Housing) Temperature <sup>2,3</sup>	°C		+30	
Wavelength Temperature Coefficient	nm / °C		0.28	
Wavelength Current Coefficient	nm / A		0.5	

**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 110% 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.
- <sup>4</sup> Export Control Classification Number (ECCN) as defined by the Export Administration Regulations (EAR).



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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**  
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