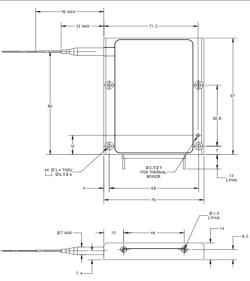
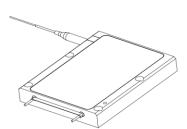
#### **Item Description** e18-14-135-0940-5-105-0.22-SI-FPT-2.0-HT Model e18.1350940105

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

	Units	Lower Spec	Typical	Upper Spec
Optical				
CW Output Power (in fiber)	W		135	
CW Output Power (as measured)	W	117	130	
Wavelength Centroid	nm	935	940	945
Spectral Width (FWHM)	nm		4.3	7
Power within 0.15 NA	%		95	
Fiber Core / Clad Diameter	μm		105 / 125	
Fiber NA / Index Type	-		0.22 NA / Step Index	
Electrical				
Electrical-to-Optical Efficiency	%		38	
Threshold Current	A		0.5	
Operating Current	А		14.0	14.0
Operating Voltage	V		25.1	26.4
Mechanical				
Mass	g		510	
Fiber Length	m	1.5	2	
Active Fiber Bend Radius	mm	25	_	
Fiber Jacketing	-	900	900 um Hytrel Loose Tube Buffer	
Fiber Termination	-		FPT	
Thermal				
Waste Heat	W		216	
Operating (Housing) Temperature <sup>2,3</sup>	°C		+30	
Wavelength Temperature Coefficient	nm / °C		0.34	
Wavelength Current Coefficient	nm / A		1.2	

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





RoHS

#### Notes

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

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 representative.

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