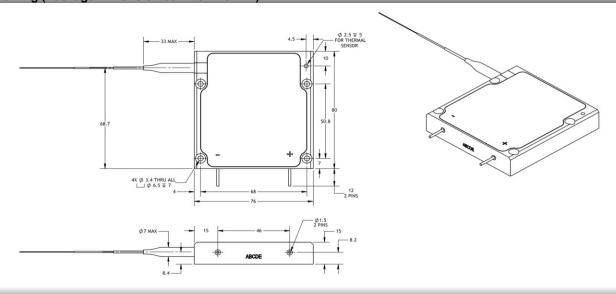
ECCN: 6A005.d.1.b.1 ⁴

e12-12-140-0976-1-200-0.22-SI-FPT-2.0-HT-VBG **Item Description** Model e12.1400976200

	Units	Lower Spec	Typical	Upper Spec
Optical				
CW Output Power (in fiber) CW Output Power (as measured) Wavelength Peak Spectral Width (FWHM) Power within 0.14 NA Fiber Core / Clad Diameter Fiber NA / Index Type	W W nm nm % µm	121 975.0	140 135 976.0 95 200 / 220 0.22 NA / Step Index	977.0 1.0
Electrical				
Electrical-to-Optical Efficiency Threshold Current Operating Current Operating Voltage Wavelength Stabilized Operating Current ⁵	% A A V A	15.0	38 0.8 17.0 21.4	17.0 22.5 20.0
Mechanical				
Mass Fiber Length Active Fiber Bend Radius Fiber Jacketing Fiber Termination	g m mm -	1.5 35 900	440 2 um Hytrel Loose Tube Bu FPT	ıffer
Thermal				
Thermal Resistance Waste Heat Operating (Housing) Temperature ^{2,3} Wavelength Temperature Coefficient	°C / W W °C nm / °C		0.3 224 +30 0.01	

Outline Drawing (Package Dimension 80 x 76 x 15 mm)



Notes

- τ Production specification shown are for beginning of life performance. End of life operating current (lop) is 120% beginning of life lop.
- ² 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)
- $^{\rm 5}\,$ Wavelength stabilized to >90 % power in band of 974.5 nm to 977.5 nm



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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