Item Description   e12-12-115-0940-1-105-0.22-SI-FPT-2.0-HT-VBG   **ECCN: EAR99** [4]
Model   e12.1150940105

	Units	Lower Spec	Typical	Upper Spec
Optical				
CW Output Power (in fiber)	W		115	
CW Output Power (as measured)	W	99	111	
Wavelength Peak	nm	939.0	940.0	941.0
Spectral Width (FWHM)	nm		4.3	1.0
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	A		14.0	14
Operating Voltage	V		21.4	22.5
Wavelength Stabilized Operating Current [5]	A	12		16
Mechanical				
Mass	g		440	
Fiber Length	m	1.5	2.0	
Active Fiber Bend Radius	mm	25		
Fiber Jacketing	-		900 um Hytrel Loose Tube Buffer	
Fiber Termination	-		FPT	
Thermal				
Waste Heat	W		185	
Operating (Housing) Temperature [2,3]	°C		+30	
Wavelength Temperature Coefficient	nm / °C		0.01	

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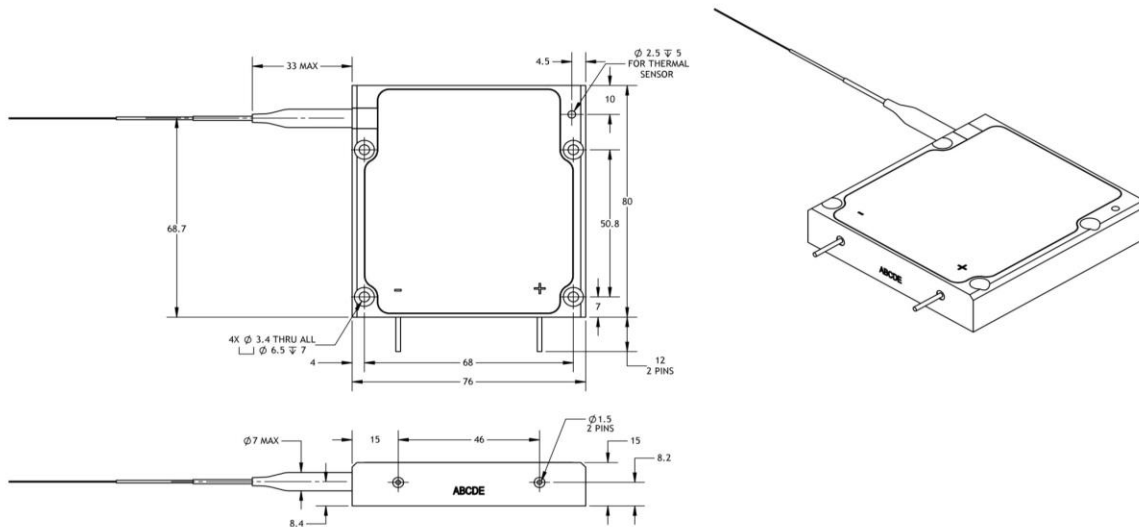
Notes

[1] Production specification shown are for beginning of life performance. End of life operating current (Iop) is 120% beginning of life Iop.

[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)

[5] Wavelength stabilized to >90 % power in band of 938.5 nm to 941.5 nm

RoHS compliant

nLIGHT