Item Description e12-12-150-0976-7-105-0.22-SI-FPT-2.0-HT **ECCN: 6A005.d.1.b.1** [4]
Model e12.1500976105

	Units	Lower Spec	Typical	Upper Spec
Optical				
CW Output Power (in fiber)	W		150	
CW Output Power (as measured)	W	128	145	
Wavelength Centroid	nm	969.0	976.0	983.0
Spectral Width (FWHM)	nm			7.0
NA within 95% Power Enclosure	-		0.16	
Fiber Core / Clad Diameter	µm		105 / 125	
Fiber NA / Index Type	-		0.22 NA / Step Index	
Back Reflection Isolation 1030 - 1200nm	dB	15		
Electrical				
Electrical-to-Optical Efficiency	%		53	
Threshold Current	A		0.5	
Operating Current	A		15.0	15.0
Operating Voltage	V		18.9	19.4
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		134	
Operating (Housing) Temperature [2,3]	°C		+30	
Wavelength Temperature Coefficient	nm / °C		0.35	
Wavelength Current Coefficient	nm / A		0.9	

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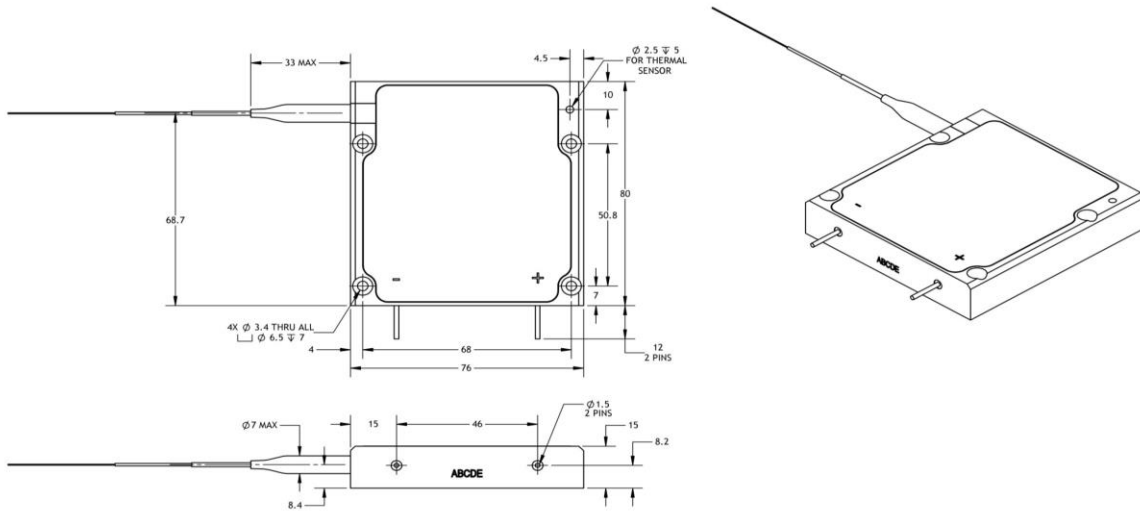
Notes

[1] Production specification shown are for beginning of life performance. End of life operating current (Iop) is 110% 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.

[4] Export Control Classification Number (ECCN) as defined by the Export Administration Regulations (EAR).

VISIBLE AND/OR INVISIBLE LASER RADIATION
AVOID EYE OR SKIN EXPOSURE TO DIRECT OR SCATTERED RADIATION
CLASS 4 LASER PRODUCT

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