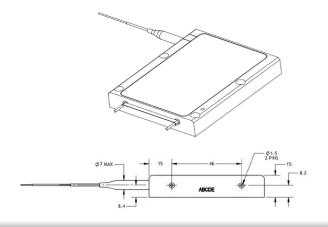
SMA Terminated Laser Module

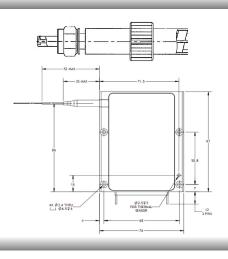
ECCN: EAR99 1

Item NumberST-155-9xx-105-5-1.5-SMA-R01Item DescriptionDIRECT DIODE 155W SPECIFICATION

	Units	Lower Spec	Typical	Upper Spec
Optical				
CW Output Power (in fiber)	W	155	140	140
CW Output Power (as measured)	W	134	121	121
Wavelength Centroid	nm	915	940	976
Spectral Width (FWHM)	nm		3.9	7.0
Power within 0.17 NA	%		95	
Fiber Core / Clad Diameter	um	105 / 125		
Fiber NA / Index Type	-	0.22 NA / Step Index		
Electrical				
Electrical-to-Optical Efficiency	%	40	44	
Threshold Current	Α			1
Operating Current	Α		14.0	14.0
Operating Voltage	V		25.1	26.3
Mechanical				
Mass ³	g		510	
Fiber Length	m	1.5	2.0	2.1
Fiber Bend Radius (Active / Storage)	mm	25		
Fiber Jacketing	-	Stainless Steel or Hytrel		
Fiber Termination	-	SMA		
Thermal				
Thermal Resistance ⁴	C/W		0.3	
Waste Heat	W	167	196	
Operating (Housing) Temperature ²	°C		+30	
Wavelength Temperature Coefficient	nm / C	0.32		
Wavelength Current Coefficient	nm / A		1.1	
Outline Duranta a				

Outline Drawing





Notes

¹Export Control Classification Number (ECCN) as defined by the Export Administration Regulations (EAR)

²Operating temperature defined by the water temperature and ambient temperature. Acceptable operating range is 20 - 35C, but performance may vary

³Does not include mass of fiber

⁴Clean water with 100um filter



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