

**Item Number: 4915-0001****Item Description: BrightLase II, spectrally-broadened 1550nm, 2W, 105µm fiber coupled 2-Pin package**

	Unit	Min	Typical	Max
<b>Optical</b>				
Nominal CW Output Power	W	2.0	-	-
Wavelength	nm	1530	1550	1570
Spectral Width (90% power enclosure)	nm	10	-	25
Wavelength Temperature Coefficient	nm/° C	-	0.5	-
Slope Efficiency	W/A	-	0.55	-
Power Conversion Efficiency	%	-	23%	-
<b>Electrical</b>				
Operating Current	A	-	3.75	5.0
Threshold Current	A	-	0.27	0.40
Maximum Operating Voltage	V	-	2.3	3.0
Maximum Reverse Voltage	V		2.5	
<b>Fiber data</b>				
Fiber Buffer Diameter	µm		-	
Fiber Cladding Diameter	µm		125	
Fiber Core Diameter	µm		105	
Fiber NA	-		0.22	
Fiber Length	m		1.2	
Fiber Termination	-		FC/UPC	
Fiber Bend Radius	mm	33	-	-
<b>Mechanical and integration</b>				
Housing Dimension			See Drawing	
Lead Soldering Temp			260° C for < 5 seconds	
<b>Environmental</b>				
ESD	V	-	-	500
Operating Housing Temperature Range	° C	20	25	30
Operating Humidity	%	15		75
Storage Temperature Range	° C	-40		70

**Notes**

1. Specified performance to be tested at 25C module base temperature
2. Non-condensing operating environment required

Outline Dimensions and Pin-out

