

Product Code: 8614-0004**Product Description: 1470nm, 250W, 400µm fiber-coupled module**

	Unit	Min	Typical	Max
Optical				
CW Output Power	W	-	-	250
Wavelength at Rated Power	nm	1450	1470	1490
Spectral Width (FWHM) at Rated Power	nm	-	12	20
Wavelength Temperature Coefficient	nm/° C	-	0.45	-
Power Conversion Efficiency	%	-	25	-
Electrical				
Operating Current	A	-	21.5	24
Maximum Operating Voltage	V	-	47	55
Fiber data				
Fiber Core Diameter	µm		400	
Fiber NA	-		0.22	
Fiber Termination	-		SMA905	
Thermal				
Thermistor (NTC) Resistance at 25 ° C	KΩ		10	
Operating Temperature (at base plate)	° C	20	25	30
Cooling water flow rate	LPM	5	6	
Mechanical				
Outline dimensions			See drawing	
Environmental				
ESD	V	-	-	500
Operating Humidity	%	15		75
Storage Temperature Range	° C	-20		70

Notes

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

Technical drawing of the 1000W 24VDC power supply showing three views: front, top, and side. The front view shows a rectangular unit with dimensions 273mm width and 194mm height. The top view shows a width of 341mm and a height of 125.5mm. The side view shows a depth of 38mm. A detail view of the bottom left corner shows a mounting bracket with dimensions 36.20mm and 37mm. A note indicates a 4.50mm hole through the bottom plate.

