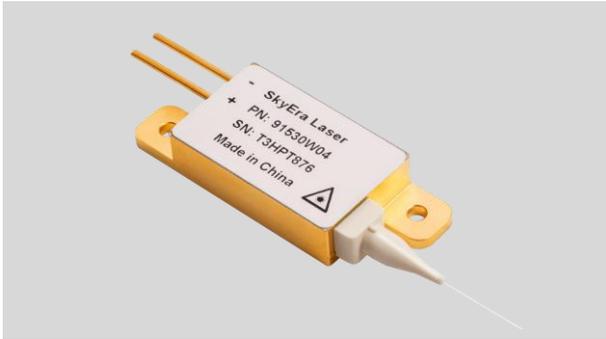


## 20W 915nm Uncooled Multimode Laser Diode Module

TY-915+/-10NM-20.0W-25C-1064-0.15NA



SkyEra delivers TY-915+/-10NM-20.0W-25C-1064-0.15NA diode lasers employing professional coupling technology, that enjoy multiple advantages, e.g., compact design, stable output power, high power, high efficiency and convenient packaging. These laser diode modules can provide solutions for fiber laser applications and direct suppliers.

The performance and aging tests have been performed upon the production line to guarantee reliable, stable and long lifetime of products. To provide customers with high-quality, high cost performance products is the company's goal.

### Key Parameters:

- Based on single fire spot laser module
- High output power 20W
- High stability
- 0.15NA 105μm core multimode fiber
- Parallel weld 2-Pin sealed package
- Standard central wavelength 915nm
- RoHS compliance

### Application:

- Medical
- Printing
- pump source
- Material processing

### Specification:

Functional parameters are tested on condition that the heat sink temperature is 25 degree, contact resistance of the component and the heat sink is smaller than 1CM<sup>2</sup> K/W.

Parameter	Min	Typ	Max	Unit	Conditions
Output Power	20	-	-	W	
Centre Wavelength TY-915DDG		915±10		nm	HR@ 1050-1150>25dB, HR@ 1060-1100>30dB
Spectral Width(FWHM)	-	3.5	7	nm	
Threshold Current	-	0.5	0.9	A	
Operating Current	-	12.0	13.0	A	
Operating Voltage	-	3.65	-	V	
Convention Efficiency	-	45	-	%	
90% Power	-	0.13	-	NA	
Wavelength shift vs. Temperature	-	0.3	-	nm/°C	
Slop Efficiency	-	2.5	-	W/A	
Storage Temperature	-30	-	70	°C	Non-Condensing
Operating Temperature	15	-	55	°C	
Fiber Bend Radius	37.5	-	-	mm	
Buffer Diameter	-	250	-	μm	
Cladding Diameter	-	125	-	μm	
Core Diameter	-	105	-	μm	
Numeric Aperture	-	0.15	-	-	
Fiber Connector	-	CO	-	-	SMA905,FC

