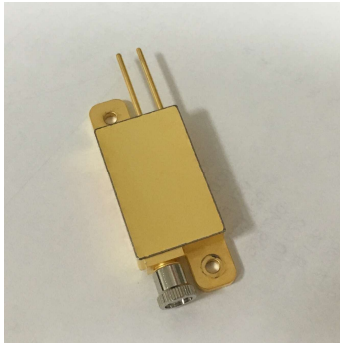


20W 808nm Uncooled Detachable Laser Diode Module

TY-808+/-3NM-20.0W-25C-0.22NA-CB



SkyEra delivers 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
- 0.22NA 400μm multimode fiber
- Parallel weld 2-Pin sealed package
- Standard central wavelength 808nm
- 400um specialty fiber is optional
- RoHS compliance

Application:

- Lighting
- 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 1CM² K/W.

Parameter	Min	Typ	Max	Unit	Conditions
Output Power	20	-	-	W	
Centre Wavelength TY808-CB	805	808	811		nm
Spectral Width	-	3.5	7	nm	
Threshold Current	-	1.6		A	
Operating Current	-	9.0	10	A	
Operating Voltage	-	5.4	-	V	
Convention Efficiency	-	40	-	%	
>90% Power	-	0.15	-	NA	
Wavelength Shift vs. Temperature	-	0.3	-	nm/°C	
Slop Efficiency	-	2.45	-	W/A	
Storage Temperature	0	-	70	°C	
Operating Temperature	15	-	55	°C	
Core Diameter	-	400	-	μm	
Numeric Aperture	-	0.22	-	-	
Fiber Connector	-	SMA905	-	-	

