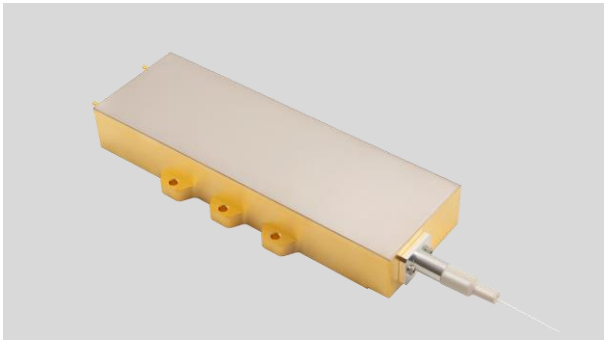


T320W Series 808nm 170W Uncooled Multimode Laser Diode Module

TY-T320W-808+/-5NM-170.0W-25C-0.22NA



SkyEra delivers TY-T320W-808+/-5NM-170.0W-25C-0.22NA 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 170W
- High stability
- 0.22NA 400µm core multimode fiber
- Parallel weld 2-Pin sealed package
- Standard central wavelength 808nm
- 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 1CM² K/W.

Parameter	Min	Typ	Max	Unit	Conditions
Output Power	150	170	-	W	
Centre Wavelength	-	-	-	nm	
T320W	803	808	813		
Spectral Width (FWHM)	-	4.5	6	nm	
Threshold Current	-	1.3	2.0	A	
Operating Current	-	11.0	12.0	A	
Operating Voltage	-	35.0	38.0	V	
Conversion Efficiency	-	44	-	%	
95% Power	-	0.18	-	NA	
Wavelength shift vs. Temperature	-	0.3	-	nm/°C	
Slop Efficiency	-	17	-	W/A	
Storage Temperature	-30	25	70	°C	Non-Condensing
Operating Temperature	15	25	55	°C	
Fiber Bend Radius	75	-	-	mm	
Core Diameter	-	400	-	µm	
1064ISO	-	30	-	dB	1050-1150nm
Numeric Aperture	0.2	0.22	0.24	-	
Fiber length	0.9	1.5	-	M	
Protection Tube	0.9	-	1.5	mm	
Fiber Connector	-	CO	-	-	

