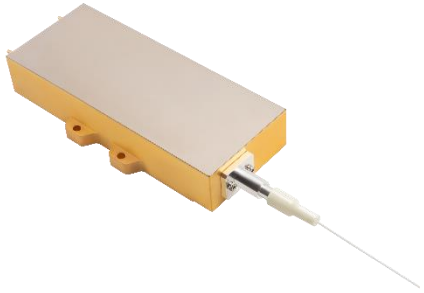


T120W Series 915nm 120W 105um Uncooled Laser Diode Module with Red Aiming Beam

TY-T120W-0915+/-10NM-120.0W-25C-0.22NA



SkyEra delivers TY-T120W-0915+/-10NM-120.0W-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.

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 (CW)	-	120	-	W	
Output Power (QCW)		6		W	f:100HZ, Duty Cycle:5%
Centre Wavelength T120W	905	915	915	nm	
Spectral Width (FWHM)	-	4.5	6	nm	
Threshold Current	-	1.0	1.5	A	
Operating Current	-	-	13.0	A	
Operating Voltage	-	-	24.0	V	
Conversion Efficiency	-	48	-	%	
95% Power	-	0.18	-	NA	
Wavelength shift vs. Temperature	-	0.3	-	nm/°C	
Slop Efficiency	-	10.0	-	W/A	
Storage Temperature	-30	25	70	°C	Non-Condensing
Operating Temperature	15	25	55	°C	
Fiber Bend Radius	37.5	-	-	mm	
Core Diameter	102	105	108	μm	
Aiming Beam-Red-Voltage	-	2.2	2.5	V	
Aiming Beam-Red-Current	-	0.1	0.15	A	
Aiming Beam-Red-Power	-	2	-	mW	PD is replaceable.
Numeric Aperture	0.2	0.22	0.24	-	
Fiber length	1.0	1.5	-	M	
Protection Tube	0.9	-	1.5	mm	
Fiber Connector	-	CO	-	-	

Key Parameters:

- Based on single fire spot laser module
- High output power 120W
- High stability
- 0.22NA 105μm core multimode fiber
- Parallel weld 2-Pin sealed package
- Standard central wavelength 915nm
- RoHS compliance
- Red Aiming Beam

Application:

- Medical cosmetology
- Soldering
- Pump source

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