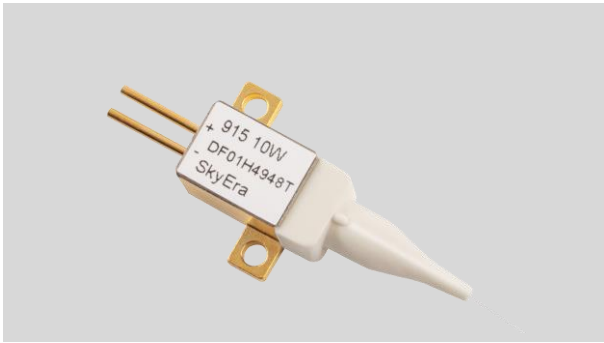


793nm 10W Uncooled Multimode Laser Diode Module

TY-793NM+/-3NM-10.0W-25C-2PIN-0.22NA



SkyEra delivers TY-793NM+/-3NM-10.0W-25C-2PIN-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 10W
- High stability
- 0.22NA 200μm core multimode fiber
- Parallel weld 2-Pin sealed package
- Standard central wavelength 793nm
- RoHS compliance

Application:

- Medical
- 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	10	-	-	W	
Centre Wavelength TY	790	793	796	nm	
Spectral Width (FWHM)	-	3	7	nm	
Threshold Current	-	1.4	1.6	A	
Operating Current	-	11.6	12.5	A	
Operating Voltage	-	1.85	2.0	V	
Conversion Efficiency	-	44	-	%	
90% Power	-	0.15	-	NA	
Wavelength shift vs. Temperature	-	0.35	-	nm/°C	
Slop Efficiency	-	0.95	-	W/A	
Storage Temperature	-40	25	85	°C	Non-Condensing
Operating Temperature	-20	25	55	°C	
Fiber Bend Radius	50	-	-	mm	
Buffer Diameter	-	320	-	μm	
Cladding Diameter	-	240	-	μm	
Core Diameter	-	200	-	μm	
Numeric Aperture	-	0.22	-	NA	
Fiber Connector	-	CO	-		SMA905,FC

