

USP 20 Series Laser Diode Module



- 808nm Laser Diode Module
- designed for Spectra Physics T20, T40, J20, J40; ESI 4990
- guaranteed performance for at least 15 months/10000 hrs. (Free exchanges within product warranty)
- fully compatible including mounting dimensions, interface socket, EEPROM data, NTC sensor and protection relay.
- all traceable Laser parts and PCB record.

Optical and Electrical Characteristics

Parametric	USP 20
Optical Output Power	15W Max
Threshold Current	6.8 A
Slope	1.16
Typical Operating Current @FC	19.7A @13W typ.
Operating Voltage	2.2 V Max
Center Wavelength (nm)	807.7
FWHM (nm)	1.7
Fiber NA	0.12±0.02
Fiber Output Port	FC

What is covered

- Power: 20 watt FCBars are rated to produce 13W at the fiber tip at or below the factory programmed maximum current (typically <28A) for the duration of the warranty period.

- Wavelength: Units are guaranteed to produce 808nm plus or minus 0.5nm at the factory
- Programmed temperature for the duration of the warranty period.

What is not covered

- Damage to the fiber tip is not covered under this warranty. It is important to follow the handling, cleaning and installation instructions included with the FCBar laser diode as even a small scratch, fingerprint or spec of dust on the fiber tip can seriously degrade performance.
- Any physical damage including, but not limited to the heat sink, printed circuit board, flexible fiber armor will void this warranty.
- Any tampering with the unit, opening the water tight enclosure or removal of the fiber will void this warranty.
- This warranty is only valid for units which are installed in a properly working Spectra Physics power supply.