

QFC-0808-150 - pump diode module

What is our QFC module?

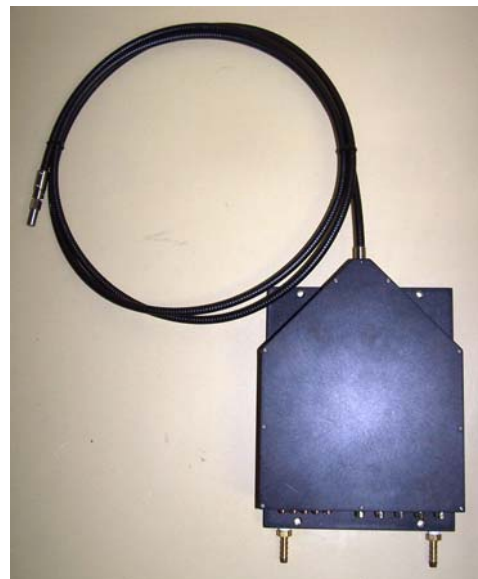
Our QFC module incorporate five (5) linear diode laser array (or bar) to generate high level of optical power. We use a proprietary technique to couple the output beam of each diode laser bar into a small bundle of optical fibers without using any additional optical element, resulting in a compact, rugged, high-performance and cost-effective device.

Standard Features:

- * High Power
- * Rugged construction
- * Sealed package

General Features

The diode bars can be electrically connected either in series or in parallel, or can be driven separately. Each diode bar can also be mounted on individual TE cooling plates. The base of the module can be water-cooled for efficient heat dissipation, or simply mounted on an appropriately sized heat-sink.



Applications:

- * Laser and Amplifier pumping
- * Soldering
- * Material processing
- * Illumination

Ordering Information: **QFC-0808-150-D-500**

General specifications:

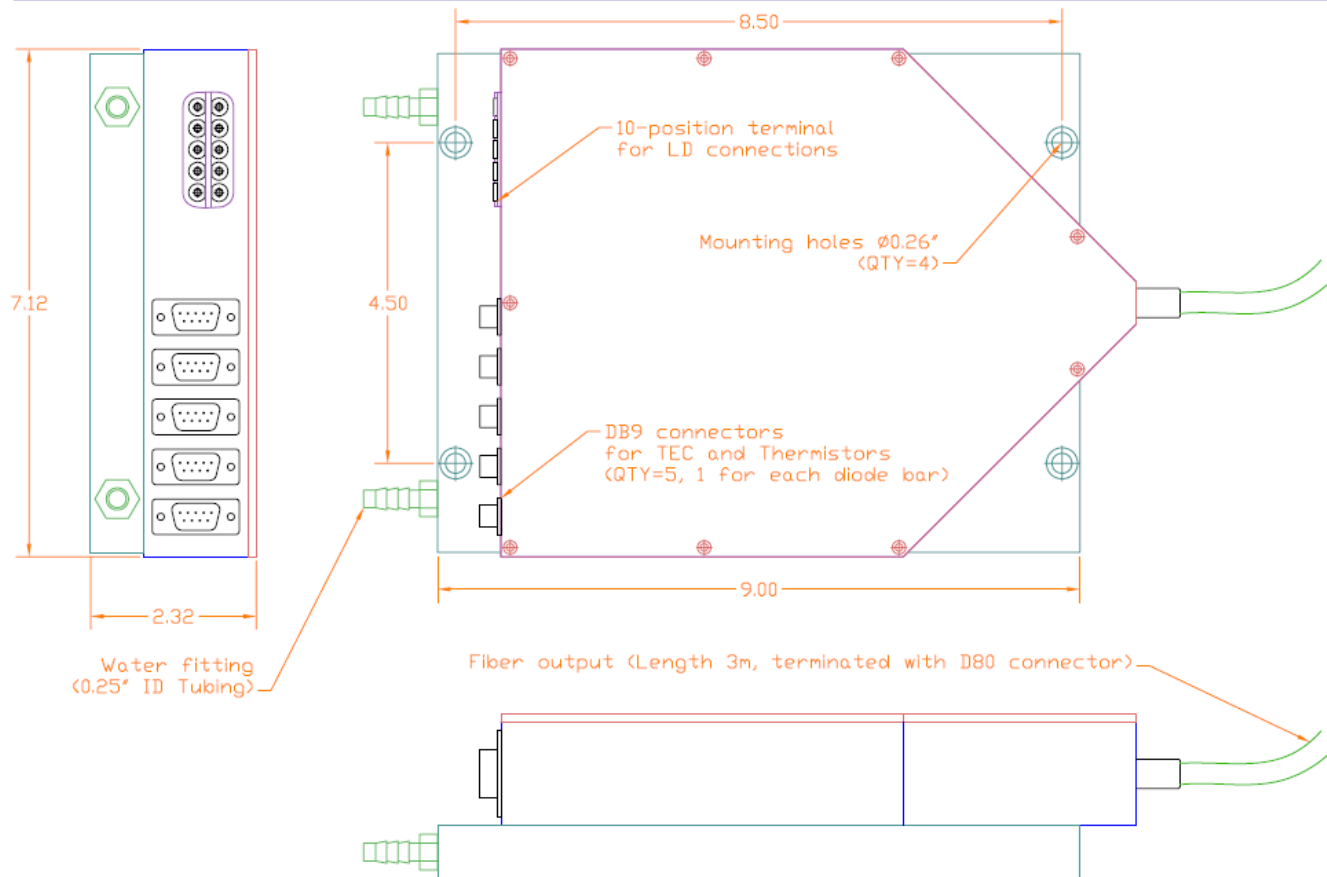
Wavelength:	808 \pm 3 nm	Fiber Diameter	2.40 \pm 0.05 mm
Delivered Power:	Up to 150 W cw	Fiber Numerical Aperture:	0.12
Compliance Voltage:	12 V maximum	Fiber Length:	5m
Drive Current	50 A maximum	Fiber Protection	SS cable armor, 6.5-mm OD
Operating current (TYP):	36A (150W)	Operating Temperature	15 C to 35C

Disclaimer:

This laser product is designated solely as an OEM component to be incorporated into another end product. Therefore, it does not comply with the appropriate requirements of FDA 21CFR, section 1040.10 and 1040.11 for complete laser system.

QFC Fiber-coupled diode laser module

Mechanical drawing (dimensions are in inches):



QFC Fiber-coupled diode laser module

Typical Power versus Current (QFC-0808-150-F-500)

