TLM-200
Thulium CW Fiber Laser Module

NEW PRODUCT

Applications

- Medical Treatment
- Medical Surgery
- Other Non-metal Materials Processing
- Plastic Materials Processing
- Solid State IR Laser Pumping
- Pollution Control

Features

- Compact Size
- High Wall-plug Efficiency
- Beam Quality M_2 <1.1
- Wide Selection of Wavelengths
- Advantage over CO_2 and Ho:YAG
- Cost-effective, Compact OEM Solution

IPG's new Thulium Continuous Wave (CW) Fiber Laser Modules are available in air-cooled units, 10-50 W or water-cooled modules, 50-200 W. These compact modules can be purchased for single-mode or multi-mode operation with wavelength range of 1900-2050 nm. IPG's Thulium modules are attractively priced for OEM's and integrators and serve a wide range of medical, materials processing and laser pumping applications.

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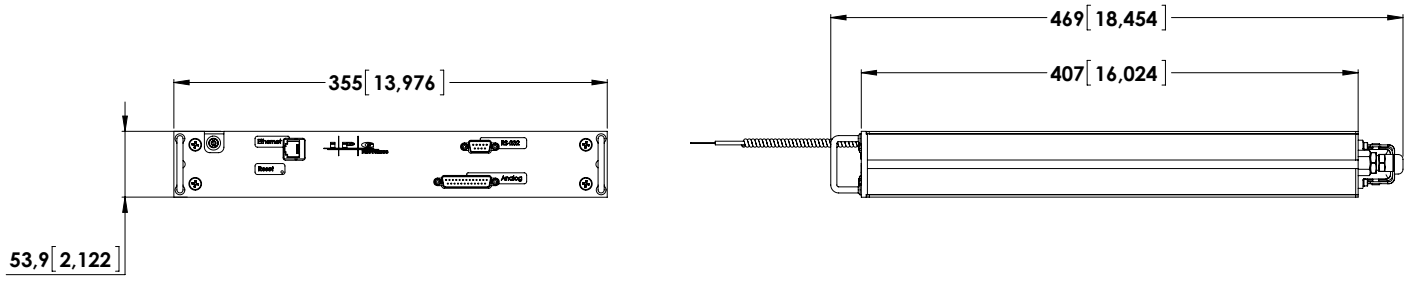
Optical Characteristics

Central Wavelength Range*, nm	1900-2000, typ. 1940
Linewidth FWHM, nm	<1
Mode of Operation	CW/Modulated
Modulation Frequency, kHz	up to 1
Average Power, W	200
Power Tunability, %	10-100
Power Stability**, %	±1
Optical Noise***, % RMS	1
Beam Quality, M^2	<1.1

* Custom central wavelengths are available upon request
** Over 4 hours, T=const
*** 10 kHz - 20 MHz

General Characteristics

Module Dimensions (W × D × H), mm	355 × 407 × 54
Cooling	Water-cooled
Supply Voltage, VDC	48
Power Consumption, W	<1800



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