

BWF-OEM Compact Fiber Delivering Laser Module



The BWF-OEM fiber coupled high-power LD OEM Module is a compact integrated package of laser driver, thermal electric cooler, TEC controller and high-brightness fiber pig-tailed LD at various wavelengths and power output of up to 2 W. All components are sealed inside an airtight, extrusion aluminum housing. The module is powered by 5 VDC making it convenient for OEM applications. It also provides a TTL modulation port, which can be run at up to 100 KHz.

Highlights

- 2.0-Watt. @100um @ 0.22 NA
- 1.2-Watt. @ 50/100um @ 0.22/0.12 NA
- 640 – 2000 nm wavelength
- Narrow spectral width (<3 nm)
- Compact and rugged package
- Convenient 5VDC input

Applications

- Pump for Yb/Er fiber lasers
- Pump for Nd/Yb/Er doped materials
- Pump for Raman Amplifiers
- High power industrial applications
- Sensors and medical instrument
- Raman and fluorescence spectroscopy excitations

Specifications

Optical

Power Output	Up to 2 Watt.
Peak Wavelength Range	630-1600nm
Bandwidth(FWHM)	1-3nm @ <1000nm and 10-15nm @ 1400-2000nm.
Output Port	Non epoxy SMA 905, ST or FC/PC available
Beam Divergence	0.12-0.4 NA Nominal
Fiber Requirement	50-1000µm core
Electrical	
Rising time	< 30 µsec.
Control	TTL modulation of up to 100 KHz with higher speed options

Mechanical

Physical Dimensions	5.875" x 2.500"x1.375"
Cooling	Internal thermal electric cooler
Weight	0.7 lbs

Environmental

Ambient Temperature 1	0-35°C
Humidity	5-95%, non-condensing

*OEM Version: OEM modules are non-CDRH compliant devices. These modules are sold as component into other equipments. The purchasers assume responsibility to comply with US 21 CFR 1040 with regard to the use of this laser and its introduction into commerce. B&W TEK may provide additional assistances to help customers achieve the required CDRH compliance

Ordering Information

