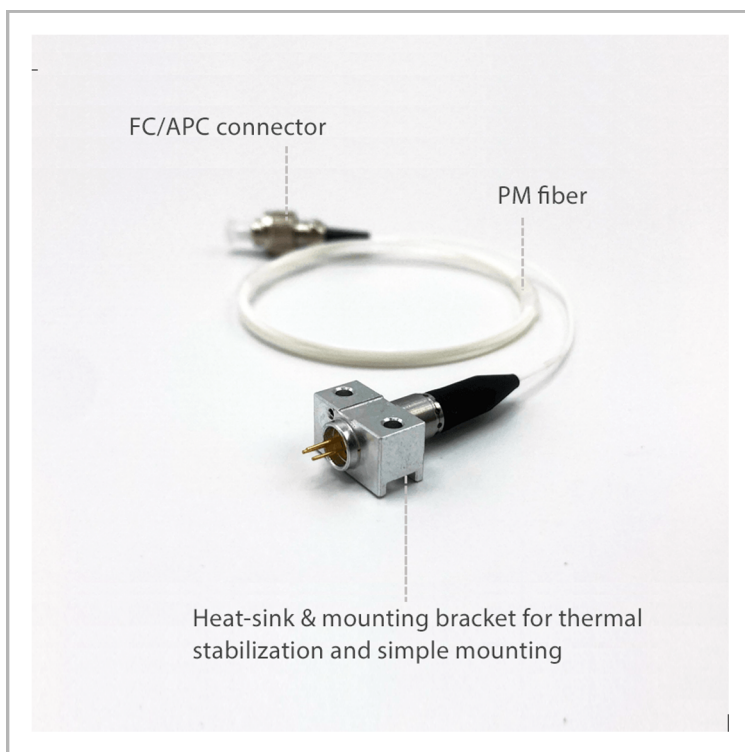


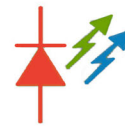


# 520nm Single Mode Fiber-Coupled Laser Diode



## 520nm, 30mW Single Mode Laser Diode, Coaxial Package, PM Fiber-Coupled

- 520nm, 30mw Single Mode Output
- 3 $\mu$ m PM Fiber, NA 0.12
- FC/PC Fiber Connector
- Coaxial Package with Mounting Bracket



**LASER  
DIODES**

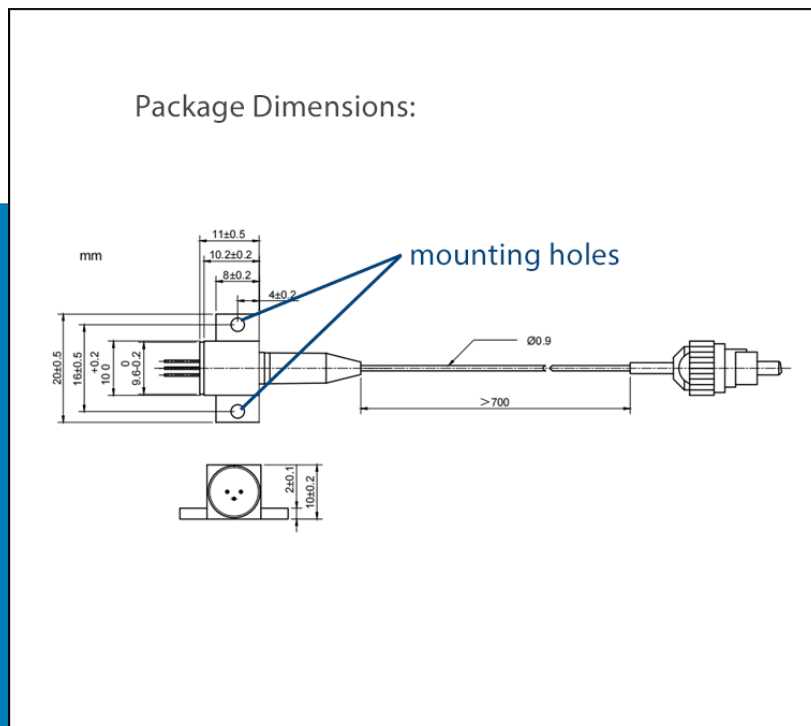
### 520NM-30MW-PM Overview

This single mode green laser diode is offered in a coaxial package with a polarization maintaining fiber pigtail. This laser is coupled to 3 $\mu$ m PM fiber, NA 0.12, and terminated with an FC/PC connector. Other connector options are available; inquire for options and details. These high stability fiber coupled laser diodes are designed and manufactured to meet the most demanding R&D and industrial applications. Proprietary design, packaging, and fiber coupling processes produce laser diodes with very high stability and low noise. Each laser diode is subject to extensive testing and burn-in before shipment to ensure the highest possible levels of quality and long term reliability.

### Proven Laser Diode Expertise

These high stability fiber coupled laser diodes are designed and manufactured to meet the most demanding R&D and industrial applications.

Proprietary design, packaging, and fiber coupling processes produce laser diodes with very high stability and low noise. Each laser diode is subject to extensive testing and burn-in before shipment to ensure the highest possible levels of quality and long term reliability.





#### OPTICAL SPECIFICATIONS AT 25°C

- Center Wavelength: 520 nm  $\pm$ 10 nm
- Output Power: 30 mW
- Wavelength Temperature Coefficient: 0.05 nm/°C
- Spectral Width (FWHM): 2.0 nm
- Beam Type: Gaussian
- Polarization Extinction Ratio: 15 dB

#### ELECTRICAL SPECIFICATIONS AT 25°C

- Operating Current: 270 mA
- Threshold Current: 65 mA
- Operating Voltage: 7.0 V

#### PACKAGE AND FIBER SPECIFICATIONS

- Coaxial Package with Mounting Bracket
- Fiber Type: Polarization Maintaining, Single Mode
- Fiber Connector: FC/PC
- Slow Axis Aligned to the Key of the FC Connector
- Fiber Core Diameter: 3  $\mu$ m
- Fiber NA: 0.12

WORLD LEADING PRODUCTS  
FOR LASER SCIENTISTS AND ENGINEERS