


445nm~450nm 30mW Coaxial Pigtailed Laser Diode with PMF | Blue Laser Module
450nm 30mW PM Fiber Coupled LD | 3um Polarization Maintaining (SM Fiber)

WSLP-445-030m-PM

Wavespectrum Laser Group

www.wavespectrum-laser.com
en.wavespectrum-laser.com.cn
450nm Pigtailed Diode Laser
30mW/PMF

| PARAMETER | SYMBOL | VALUE | UNIT |
|--|--|---------|-------|
| Reverse Voltage | V_r | 2.0 | V |
| Operating Temperature | T_{op} | -10~+70 | °C |
| Storage Temperature | T_{stg} | -40~+85 | °C |
| Lead soldering temperature (10 sec.) | T_{is} | 260 | °C |
| Features: <ul style="list-style-type: none"> 450nm PM Fiber High Reliability High Polarization Extinction Ratio Applications: <ul style="list-style-type: none"> Medical Laser Treatment Biotechnology Others |  | | |
| Specifications | WSLP-445-030m-PM | | |
| | Min | Type | Max |
| Center Wavelength@25°C | 440nm | 450nm | 460nm |
| Spectral Width (FWHM) | ---- | 2.0nm | ---- |
| Output Power | ---- | 30mW | ---- |
| Fiber Type | Polarization Maintaining Fiber | | |
| Fiber Core | 3um | | |
| Recommend Operating Temperature | 25°C | | |
| Fiber Connector | FC/APC | | |
| Polarization Extinction Ratio | 13dB | 15dB | |
| Fiber Length | ---- | 80cm | 100cm |
| Threshold Current | ---- | 25mA | 60mA |
| Operating Current | ---- | 140mA | 160mA |
| Operating Voltage | ---- | 6.0V | 7.0V |
| Package Style | Coaxial or B82 | | |

High Polarization Extinction Ratio (PER) Version Laser Module is also available, please contact us.



Coaxial Package View: (Part Number: WSLP-445-030m-PM)

B82 Package View: (Part Number: WSLP-445-030m-PM-B)

PIN Bottom View:


| | |
|----------|--------------|
| 1 | LD(+) |
| 2 | GND |
| 3 | LD(-) |



Electrically shorten LD module and store in non-extreme conditions.
Suggest using the constant current power supply.

