


445nm~450nm 100mW High Power Coaxial Pigtailed Laser Diode with 9um Fiber| Blue LD
445nm | Blue Laser Diode | 450nm Fiber Coupled LD| 9um SM Fiber
RWLP-445-100m-9

| 445nm Pigtailed Diode Laser 100mW/9um | | | |
|--|--|---------|-------|
| 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 ● 9um Fiber ● Coaxial or B82 Package |  | | |
| Applications: <ul style="list-style-type: none"> ● Medical Laser Treatment ● Printing ● Others | | | |
| Specifications | RWLP-445-100m-9 | | |
| | Min | Type | Max |
| Center Wavelength@25°C | 440nm | 450nm | 460nm |
| Spectral Width (FWHM) | ---- | 2.0nm | ---- |
| Output Power | ---- | 100mW | ---- |
| Fiber Core | 9um | | |
| Recommend Operating Temperature | 25°C | | |
| Monitor Current | ---- | ---- | ---- |
| PD Reverse Voltage | ---- | ---- | ---- |
| Fiber Connector | FC/SC/SMA905 | | |
| Fiber Length | >80cm | | |
| Threshold Current | ---- | 25mA | 60mA |
| Operating Current | ---- | 140mA | 160mA |
| Operating Voltage | ---- | 6.0V | 7.0V |
| Package Style | Coaxial or B82 | | |

Coaxial Package View: (Part Number: RWLP-445-100m-9)



B82 Package View: (Part Number: RWLP-445-100m-9-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.

