# 405nm 15mw Coaxial Pigtailed LD with Polarization Maintaining Fiber
# 405nm SM Fiber coupled Laser Diode LD with PM Fiber

**WSLP-405-015m-PM** **Wavespectrum laser inc.** **www.wavespectrum-laser.com**

| PARAMETER | SYMBOL | VALUE | UNIT |
|---|---|---|---|
| Reverse Voltage | $V_r$ | 2.0 | V |
| Operating Temperature | $T_{op}$ | 0~+40 | ℃ |
| Storage Temperature | $T_{stg}$ | -35 ~ +85 | ℃ |
| Lead soldering temperature (10 sec.) | $T_{ls}$ | 260 | ℃ |

**Features:**

- 405nm
- PM Fiber
- Coaxial package

**Applications:**

- Medical laser treatment
- Printing

| Specifications | WSLP-405-015m-PM | | |
|---|---|---|---|
| | Min | Type | Max |
| Center Wavelength@25℃ | 400nm | 405nm | 410nm |
| Spectral Width (FWHM) | ---- | 2.0nm | ---- |
| Output Power | ---- | >15mw | ---- |
| Fiber Type | UV Polarization Maintaining Fiber | | |
| Fiber Core | 3um | | |
| Slope Efficiency | 1.2mW/mA | 1.4mW/mA | 1.9mW/mA |
| Monitor Current | ---- | ---- | ---- |
| PD Reverse Voltage | ---- | ---- | ---- |
| Fiber Connector | FC/ST/SMA905 | | |
| Fiber Length | ---- | 80cm | 100cm |
| Threshold Current (Typ.) | ---- | 35mA | 50mA |
| Operating Current (Typ.) | ---- | 100mA | 120mA |
| Operating Voltage | ---- | 4.6V | 5.5V |
| Package Style | Coaxial | | |
| PD(optional) | Side-face Photodiode Optional | | |

M SQUARE
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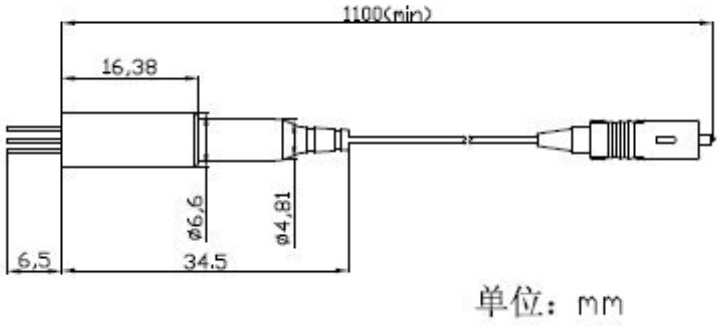
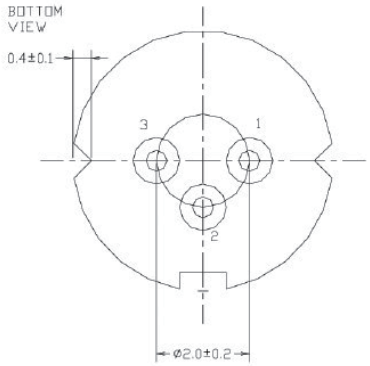
**Coaxial Package View**




**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.**

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