

MM Pigtailed Laser Diode at 405nm



405nm Coaxial Package Diode Laser

- 1)with MM Fiber
- 2)Offer Customized Products
- 3)Offer OEM Coupling Service

Specifications

| Part Number | MLDP-405-40-25μm | MLDP-405-40-40μm | MLDP-405-50-105μm | SLDP-405-120-25μm | MLDP-405-140-40μm | MLDP-405-160-105μm |
|--------------------------------------|--|------------------|-------------------|-------------------|-------------------|--------------------|
| Center Wavelength @25°C (nm) | 405nm | | | | | |
| Spectral Width (FWHM) | 2.0nm | 2.0nm | 2.0nm | 2.0nm | 2.0nm | 2.0nm |
| Power (mW) | 40 | 40 | 50 | 120 | 140 | 160 |
| Package | Coaxial | | | | | |
| Tolerance (nm) | 5 | 5 | 5 | 5 | 5 | 5 |
| Fiber Type (80cm length) | 25μm MM fiber | 40μm MM fiber | 105μm MM fiber | 25μm MM fiber | 40μm MM fiber | 105μm MM fiber |
| Slope Efficiency | 1.4mW/mA | 1.4mW/mA | 1.4mW/mA | 1.5mW/mA | 1.5mW/mA | 1.5mW/mA |
| Fiber Connector | FC/ST/SMA905 | | | | | |
| Threshold Current (Typ.) | 35mA | 35mA | 35mA | 100mA | 100mA | 100mA |
| Operating Current (Typ.) | 100mA | 100mA | 100mA | 200mA | 200mA | 200mA |
| Operating Voltage | 4.6V | 4.6V | 4.6V | 4.1V | 4.1V | 4.1V |
| PD (optional) | Side-face PD (Si PD: 300nm-600nm response) | | | | | |
| Reverse Voltage | 2.0V | 2.0V | 2.0V | 5.0V | 5.0V | 5.0V |
| Operating Temperature | 0-+40°C | 0-+40°C | 0-+40°C | 0-+30°C | 0-+30°C | 0-+30°C |
| Storage Temperature | -35-+85°C | -35-+85°C | -35-+85°C | -35-+85°C | -35-+85°C | -35-+85°C |
| Lead Soldering Temperature (10 sec.) | 260°C | 260°C | 260°C | 260°C | 260°C | 260°C |