

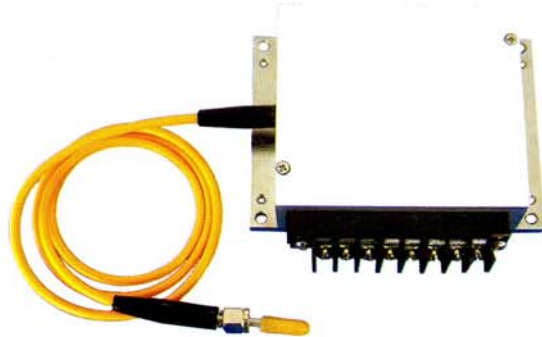
808nm & 660nm Dual-wavelength Fiber-Bundled Laser Modules

Features:

- > Wavelength 808nm and 660nm
- > High brightness
- > Available in volume
- > High coupling efficiency
- > Compact, hermetically sealed package

Applications:

- > Physiotherapy
- > Other medical treatments



Absolute Maximum Ratings

| PARAMETER | SYMBOL | VALUE | UNIT |
|-------------------------------------|-----------|-----------|------|
| Reverse Voltage | V_r | 2.0 | V |
| Operating Temperature | T_{op} | +10~+20 | °C |
| Storage Temperature | T_{stg} | -20 ~ +80 | °C |
| Lead Soldering Temperature(10 sec.) | T_{is} | 260 | °C |

| Specifications | GCSLX-Duet-B0510-205 | | GCSLX-Duet-B0510-1002 | |
|---------------------------------------|------------------------|------------|------------------------|------------|
| | | | | |
| Peak Wavelength | 808±10nm | 660±10nm | 808±10nm | 660±10nm |
| Output Power (Typ.) | 5W | 200mW | 10W | 200mW |
| Spectral Width (FWHM) | ≤ 4nm | ≤ 4nm | ≤ 4nm | ≤ 4nm |
| Temperature Coefficient of Wavelength | 0.3nm/°C | 0.2nm/°C | 0.3nm/°C | 0.2nm/°C |
| Number of Emitters | 2 | 1 | 5 | 1 |
| Threshold Current (Typ.) | 400mA | 600mA | 400mA | 600mA |
| Operating Current (Typ.) | 2.5A | 1.0A | 2.5A | 1.0A |
| Operating Voltage | ≤ 4V | ≤ 2.2V | ≤ 10V | ≤ 2.2V |
| Thermistor Value ((25°C) | - | (10±0.5)KΩ | - | (10±0.5)KΩ |
| TEC Max. Current | - | 2.0A | - | 2.0A |
| TEC Max. Voltage | - | 3.8V | - | 3.8V |
| Fiber Core Diameter | ≤ 300 μm | | ≤ 400 μm | |
| Fiber Numerical Aperture | 0.22 | | 0.22 | |
| Fiber Length (Typ.) | 70cm | | 70cm | |
| Connector Type | SMA905 / ST / FC | | SMA905 / ST / FC | |
| Package Style | Fiber-bundled package1 | | Fiber-bundled package2 | |