

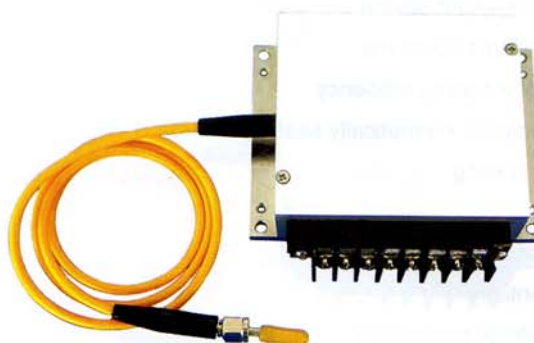
665nm Fiber-Bundled Laser Modules with Multiple Emitters

Features:

- High brightness
- Available in volume
- High coupling efficiency
- Compact, hermetically sealed package
- A turnkey system is available

Applications:

- Photo Dynamic Treatment
- Research with visible photo sensitive materials and therapies



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_{ls}	260	°C

Specifications	GCSLX -B10-002	GCSLX -B10-003
Peak Wavelength @15°C	665±5nm	665±5nm
Output Power	>2W	>3W
Spectral Width (FWHM)	≤ 2.5nm	≤ 2.5nm
Temperature Coefficient of Wavelength	0.2nm/°C	0.2nm/°C
Number of Emitters	3	4
Threshold Current (Typ.)	550mA	550mA
Operating Current (Typ.)	1.3A	1.3A
Operating Voltage	≤ 6.3V	≤ 8.4V
Thermistor Value ((25°C)	(10±0.5)KΩ	(10±0.5)KΩ
TEC Max. Current	4.0A	4.0A
TEC Max. Voltage	25.8V	34.4V
Fiber Bundled Diameter	<400 μm	<400 μm
Fiber Numerical Aperture	0.22	0.22
Fiber Length (Typ.)	70cm	70cm
Connector Type	SMA905 / ST / FC	SMA905 / ST / FC
Package Type	Fiber bundled package 2	Fiber bundled package 2