

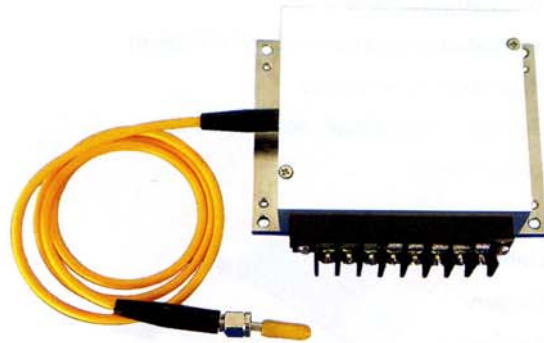
## 635nm Fiber-Bundled Laser Modules with Multiple Emitters

### 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 -B09-001	GCSLX -B09-002
Peak Wavelength @15°C	635±5nm	635±5nm
Output Power (Typ.)	1W	2W
Spectral Width (FWHM)	≤ 2.5nm	≤ 2.5nm
Temperature Coefficient of Wavelength	0.2nm / °C	0.2nm / °C
Number of Emitters	3	6
Threshold Current (Typ.)	700mA	700mA
Operating Current (Typ.)	1A	1A
Operating Voltage	≤ 7V	≤ 14V
Thermistor Value ((25°C)	(10±0.5)KΩ	(10±0.5)KΩ
TEC Max. Current	4.0A	2.0A
TEC Max. Voltage	25.8V	51.6V
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