

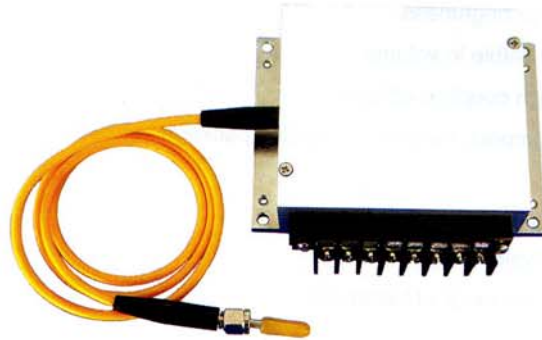
980nm Fiber-Bundled Laser Modules with Multiple Emitters

Features:

- > Wavelength 980nm
- > Available in volume
- > High coupling efficiency
- > Compact, hermetically sealed package
- > Air cooling

Applications:

- > Dentistry
- > Material processing
- > Illumination
- > End pumping



Absolute Maximum Ratings

PARAMETER	SYMBOL	VALUE	UNIT
Reverse Voltage	V_r	2.0	V
Operating Temperature	T_{op}	+10~+30	°C
Storage Temperature	T_{stg}	-20 ~ +80	°C
Lead Soldering Temperature(10 sec.)	T_{is}	260	°C

Specifications	GCSLX -B06-006	GCSLX -B06-008	GCSLX -B06-010	GCSLX -B06-012
Peak Wavelength @25°C	980±10nm	980±10nm	980±10nm	980±10nm
Output Power (Typ.)	6W	8W	10W	12W
Spectral Width (FWHM)	≤ 3nm	≤ 3nm	≤ 3nm	≤ 3nm
Number of Emitters	3	4	5	6
Threshold Current (Typ.)	350mA	350mA	350mA	350mA
Operating Current (Typ.)	2.8A	2.8A	2.8A	2.8A
Operating Voltage	≤ 6V	≤ 8V	≤ 10V	≤ 12V
Monitor Current (PD)	1.2mA	1.6mA	2.0mA	2.4mA
Fiber Core Diameter	<400 μm	<400 μm	<400 μm	<400 μm
Fiber Numerical Aperture	0.22	0.22	0.22	0.22
Fiber Length (Typ.)	70cm	70cm	70cm	70cm
Connector Type	SMA905 / ST / FC	SMA905 / ST / FC	SMA905 / ST / FC	SMA905 / ST / FC
Option: Pilot beam wavelength	650±10nm	650±10nm	650±10nm	650±10nm
Pilot beam operation	5V voltage	5V voltage	5V voltage	5V voltage