

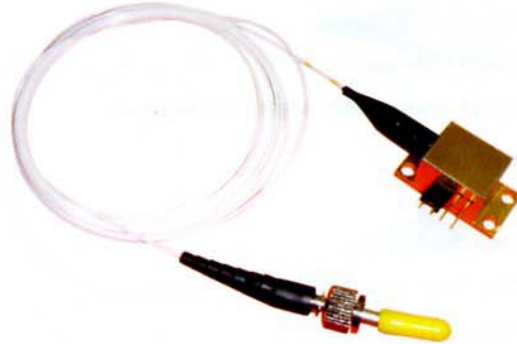
980nm Fiber-Coupled Modules with Single Emitter

Features:

- Wavelength 980nm
- High coupling efficiency
- Multi mode fiber pigtail
- Compact, hermetically sealed package

Applications:

- End pumping
- Plastics welding
- Marking
- Medical laser treatment
- Illuminations



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-06-002-1	GCSLX-06-004-1
Center Wavelength@25°C	980±5nm	980±5nm
Output Power (Typ.)	2W	4W
Spectral Width (FWHM)	≤ 3nm	≤ 3nm
Temperature Coefficient of Wavelength	0.3nm/°C	0.3nm/°C
Threshold Current (Typ.)	350mA	550mA
Operating Current (Typ.)	3.0A	6.0A
Operating Voltage	≤ 2.2V	≤ 2.2V
Recommended Case Temperature	25°C	25°C
Power Conversion Efficiency	40%~45%	40%~45%
Fiber Core Diameter	100 μm	100 μm
Fiber Numerical Aperture	0.22	0.22
Minimum Bend Radius	25mm	25mm
Connector Type	FC/ST/SMA905	FC/ST/SMA905
Package Style	4-pin air cool	4-pin air cool