

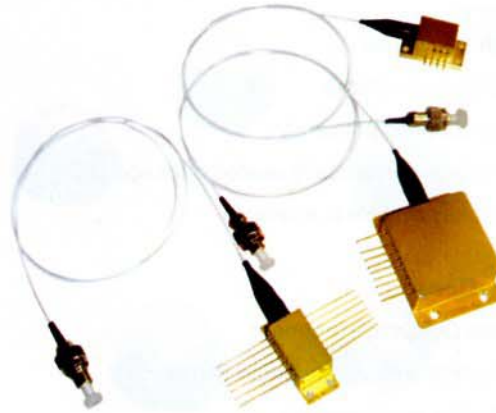
665nm Fiber-Coupled Modules with Single Emitter

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_{is}	260	°C

Specifications	GCSLX -10-200m-2	GCSLX -10-750m-2
Peak Wavelength @ 15°C	665±5nm	665±5nm
Output Power (Typ.)	200mW	750mW
Spectral Width (FWHM)	≤ 2.5nm	≤ 2.5nm
Temperature Coefficient of Wavelength	0.2nm/°C	0.2nm/°C
Threshold Current (Typ.)	600mA	550mA
Operating Current (Typ.)	1.0A	1.3A
Operating Voltage	≤ 2.1V	≤ 2.1V
Thermistor Value ((25°C)	(10 ± 0.5)KΩ	(10 ± 0.5)KΩ
TEC Max. Current	2.0A	4.0A
TEC Max. Voltage	3.8V	8.6V
Fiber Bundled Diameter	100 μm	100 μm
Fiber Numerical Aperture	0.22	0.22
Fiber Length (Typ.)	70cm	70cm
Minimum Bend Radius	25mm	25mm
Connector Type	SMA905 / ST / FC	SMA905 / ST / FC
Package Type	14-pin butterfly	9-pin HHL