

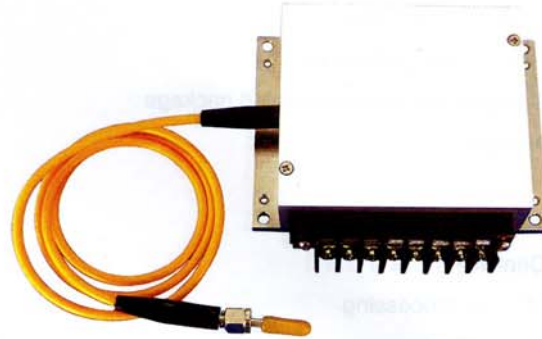
808nm & 660nm Dual-wavelength Fiber-Bundled Laser Modules

Features:

- Wavelength 808nm and 660nm
- High brightness
- Available in volume
- High coupling efficiency
- Compact, hermetically sealed package

Applications:

- Physiotherapy
- Other medical treatment



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-Duet-B0510-202		GCSLX-Duet-B0510-402	
	808±10nm	660±10nm	808±10nm	660±10nm
Peak Wavelength	808±10nm	660±10nm	808±10nm	660±10nm
Output Power (Typ.)	2W	200mW	4W	200mW
Spectral Width (FWHM)	≤ 4nm	≤ 4nm	≤ 4nm	≤ 4nm
Temperature Coefficient of Wavelength	0.3nm/°C	0.2nm/°C	0.3nm/°C	0.2nm/°C
Number of Emitters	1	1	2	1
Threshold Current (Typ.)	400mA	600mA	400mA	600mA
Operating Current (Typ.)	2.5A	1.0A	2.5A	1.0A
Operating Voltage	≤ 2V	≤ 2.2V	≤ 4V	≤ 2.2V
Thermistor Value ((25°C)	-	(10±0.5)KΩ	-	(10±0.5)KΩ
TEC Max. Current	-	2.0A	-	2.0A
TEC Max. Voltage	-	3.8V	-	3.8V
Fiber Core Diameter	<300μm		<300μm	
Fiber Numerical Aperture	0.22		0.22	
Fiber Length (Typ.)	70cm		70cm	
Connector Type	SMA905 / ST / FC		SMA905 / ST / FC	
Package Style	Fiber bundled package 1		Fiber bundled package 1	