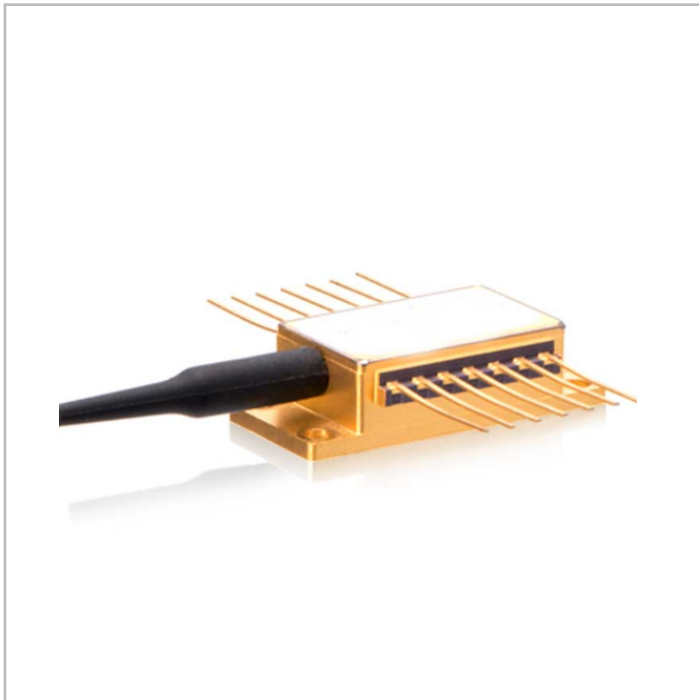




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manufactured by  **RealLight**

532nm Narrow Line Width Butterfly Laser Diode 100mW Output Power, 105 μ m Fiber Coupled



RLS / 532NM-100MW-RL

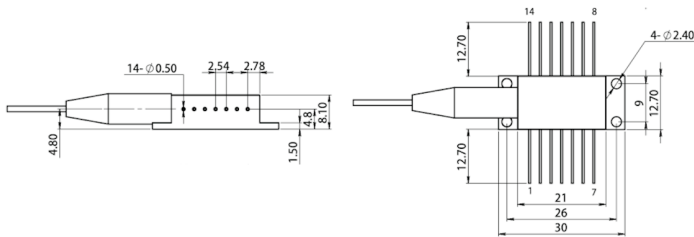
- o Butterfly Package Laser Diode
- o Narrow Line Width < 0.05nm
- o 105 μ m Fiber-Coupled, FC/PC Connector
SMA905 Connector Optional
- o Industry-Standard Type-1 Pinout



**LASER
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SOURCES**



DIMENSIONS AND PINOUT



SPECIFICATIONS

LASER SPECIFICATIONS

- CW Output Power: 100 mW
- Center Wavelength: 532 nm (± 0.5 nm)
- Spectral Width: < 0.05 nm
- Temperature Tuning Coefficient: 0.01 nm/ $^{\circ}$ C
- Current Tuning Coefficient: 0.05 nm/A
- Slope Efficiency: 0.3 W/A

FIBER AND CONNECTOR

- Fiber Core Diameter: 105 μ m
- Fiber Cladding Diameter: 125 μ m
- Fiber Coating Diameter: 250 μ m
- Numerical Aperture: 0.22 NA
- Connector: FC/PC or SMA905 (specify @ time of order)

ELECTRICAL SPECIFICATIONS

- Threshold Current: 0.6 A
- Operating Current: 1.0 A
- Operating Voltage: 2 V
- TEC max Current: 2.5 A
- TEC max Voltage: 6.3 V
- Monitor Photodiode Range: 2000 μ A
- Thermistor: 10 ($\pm 5\%$) k Ω (@ 25° C)

GENERAL SPECIFICATIONS

- Operating Temperature Range: 10° C – 30° C
- Storage Temperature Range: -20° C – 70° C
- Max Operating Humidity, Relative: 75 %
- Max Storage Humidity, Relative: 90 %
- Lead Soldering Temp: 250° C max, 10 sec

PRIMARY APPLICATIONS

- Raman Spectroscopy
- Analytical Instruments
- Biological Research

Pin	Function	Pin	Function
1	TEC (+)	14	TEC (-)
2	Thermistor	13	-
3	PD Anode	12	-
4	PD Cathode	11	Laser Diode Cathode
5	Thermistor	10	Laser Diode Anode
6	-	9	-
7	-	8	-



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PRODUCT SALES AND SERVICE:

Unlimited phone and email support is provided for products purchased through Laser Lab Source. Orders for this product are fulfilled by Laser Lab Source in North America and select international regions. It is manufactured by Real-Light, Beijing.

PRODUCT WARRANTY:

This product is sold with a full one-year warranty. It is warranted to be free from defects in material and/or workmanship for a period of one year from the date of shipment.



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