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**High Power Butterfly Fiber Coupled Laser Module**

High Precision, Compact and lightweight 830nm 500mw-50W High Power Butterfly Packaged Fiber Coupled Laser Diode Module with 50µm-400µm Fiber Core for Medical Laser Treatment, End Pumpin Science and Research usage etc.

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**Product Details**

**High Power Butterfly Packaged Fiber Coupled Laser Diode Module Descriptions:**

Fiber coupled laser module with wavelength from 635nm to 980nm and power more than 500mW is butterfly package. We can provide customized TEC temperature control and LD driver to increase the laser module's work temperature range an reliability. The diameter of fiber cores are 50µm, 62.5µm, 105µm, 125µm, 170µm, 200µm, 400µm, multi mode fiber etc. PD control can also be added to increase laser module stability.

**High Power Butterfly Packaged Fiber Coupled Laser Module Features:**

- a.High coupling efficiency
- b.Good quality of spot
- c.Stable Performance
- d.Long life: >8,000hrs.

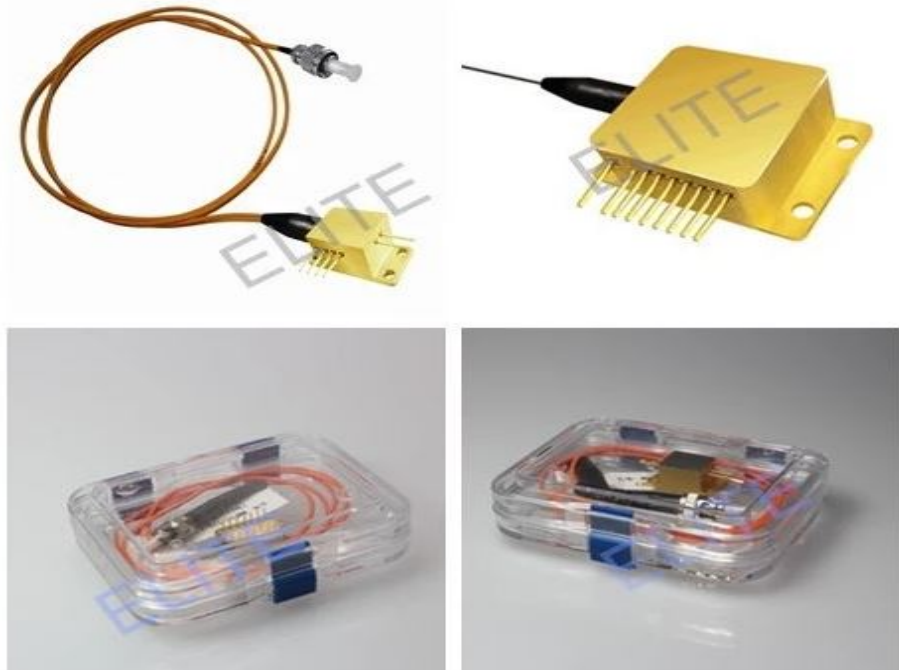
**High Power Butterfly Packaged Fiber Coupled Laser Module Specifications:**

Item	Specification
Wavelength	635nm, 650nm, 780nm, 808nm, 830nm, 850nm, 980nm
Output Power	0.5W-50W
Fiber Core	50µm, 62.5µm, 105µm,125µm, 170µm, 200µm, 400µm
Numerical Aperture	0.22mm, 0.37mm, 0.53mm
Fiber Length	0.5-10m
Housing Material	Aluminum anodized or brass
Beam Type	Dot
Connector	FC, ST or SMA
Dimension	Butterfly packaging with TEC temperature control
Operating Temperature	-10-50°C
Storage Temperature	-20-80°C
Voltage Stability	>98% (at 2.7-5.5VDC)
Temperature Stability	>95% (at -10°C-50°C)
Lifetime	>8,000hrs

**High Power Butterfly Packaged Fiber Coupled Laser Diode Module Applications:**

- a. Defense field: illumination, sensing
- b. Industrial field: optical pumping, measurement and analysis diagnostics, inspection of PCB and micro parts
- c. Medical laser treatment: bio-medical treatment, therapeutic procedures, aesthetic treatments
- d. Science and research
- e. End pumping
- f. Plastics welding
- g. Other new applications

TO SWEEP



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Uniform Line Module



520nm 532nm Green Mini Laser Diode Module



Focus Adjustable Laser Module:



High Power 532nm Laser Module (with TEC Control)



Cartridge Red Dot Laser Training Bullet



Red Laser Sight Hunting Rifle Dr Scope

Feedback

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