

500W 940nm QCW Diode Laser Bar

Advantages:

- High output power
- High photoelectric conversion rate
- High Reliability
- High polarization
- High Brightness

Applications:

- Fiber laser pumping source
- Solid state pumping source
- Director semiconductor laser

Data Sheet

Item No: LC940SB500

Item Name: 500W 940nm QCW Diode Laser Bar

Optical

	Typ
Central Wavelength	940nm
Output Power	500W
Working Mode	QCW
Spectrum Width	3nm
Pulse Width	500us
Pulse frequency	200hz

Geometrical

Number of Emitter	39
Emitter Width	200μm
Emitter Pitch	250μm
Filling Factor	80%
Bar Width	10500μm
Cavity Length	3000μm
Thickness	120μm

Electrical

Operating Current Iop	550A
Conversion Efficiency	62%

Thermal

Operating Temperature	15-35°C
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