

200W 940nm Laser Diode Chips

Bare Chips not bonded on Submount

Application:

Semiconductors for high-power diode lasers in direct material processing, for heating or lighting.

Semiconductors as pumping sources for fiber and solid-state lasers.

Use in printing technology.

Esthetics, dermatology and surgery.

Date Sheet

Item No: LC940SB200

Item Name: 200W 940nm Laser Bare Chip

Operation

Center Wavelength	940nm
Output Power	200W
Operation Mode	CW
Power Modulation	100%

Geometrical

Number of Emitters	24
Emitter width	140um
Emitter Pitch	400um
Filling Factor	35%
Bar Width	10000um
Cavity length	3000um

Electro Optical Data

Thickness	125um
Threshold current	20A
Operating current	210A
Operating voltage	1.65V
Pulse wavelength	935nm
Slope efficiency	1.05W/A
Conversion efficiency	58%
Slow axis divergence	8
Fast axis divergence	29
Spectral width	4nm
Polarization	TE
Temperature characteristics	0.34nm/°C
LD Operating temperature	25°C



PIV Chart

