

100W 808nm Single Bar Laser Chip, Bare Chip

Applications:

Industry
Laser Radar
Display
Medical/Beauty Machine
Defense/Laser Probing/Tracking
Energy
Lighting
Scientific Research

Data Sheet

Item No: LC808SB100

Item Name: 100W 808nm Single Bar Laser Chip

Optical

Pulse Wavelength	803nm	808nm	813nm
Output Power		100W	
Working Mode		CW	
Spectrum Width		4nm	
Number of Emitter		47	
Emitter Width		100um	
Emitter Pitch		200um	
Filling Factor		50%	
Bar Width	9900um	10000um	10100um
Cavity Length	1490um	1500um	1510um
Thickness	110um	130um	150um
Fast Axis Divergence(FWHM)		39deg	
Slow Axis Divergence (FWHM)		10deg	
Polarization Mode		TE	
Slope Efficiency	1.05W/A	1.15W/A	

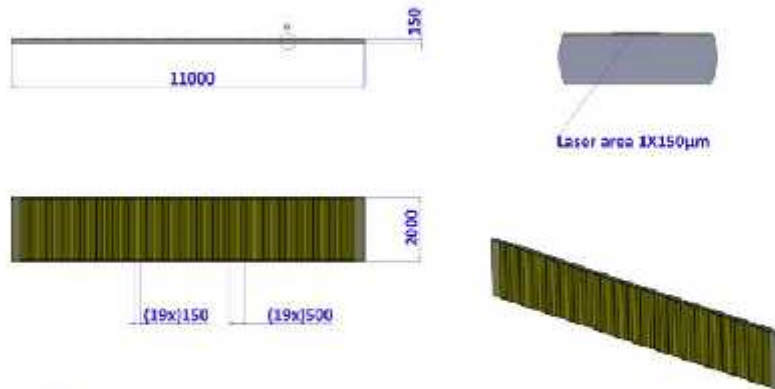
Electrical

Operating Current Iop		105A	110A
Threshold Current Ith		18A	20A
Operating Voltage Vop		1.8V	2V
Conversion Efficiency	50%	55%	

Thermal

Operating Temperature	15°C	25°C	35°C
Wavelength Temperature Coefficient		0.28°C	

PIV Chart



NOTE:
1. DIMENSION IN MICROMS.

