

100W 780nm Unmounted Laser Bare Bar

Product Features:

Excellent Solderability
High Conversion Efficiency
780nm wavelength with low reflectivity
CW power :100W/bar, QCW power: 300W/bar

Our Advantage:

Long lifetime>20000hours
Customized product
Quick Leadtime
Quick response for customer requirements
Advanced package capacity, our 780nm bare bar can be packed to CS-mounted 60w 80w 100w, and vertical diode stack up to 7200W

Data Sheet

Item No: LC780SB100

Item Name:100W 780nm Laser Bare Bar

Optical	Typ
Central Wavelength	780nm
Output Power	100W
Working Mode	CW
Spectrum Width	2nm
Number of Emitter	47
Emitter Width	100μm
Emitter Pitch	200μm
Thickness	130μm
Bar Width	10000μm
Cavity Length	1500μm
Fast Axis Divergence FWHM	35Deg
Slow Axis Divergence FWHM	9Deg
Polarization Mode	TE
Slope Efficiency	1.2W/A
Electrical	
Operating Current Iop	100A
Threshold Current Ith	20A
Operating Voltage Vop	1.8V
Conversion Efficiency	60%
Thermal	
Operating Temperature	15-35°C
Wavelength Temperature Coefficient	0.35nm/°C

