

12W 915nm CW Single Emitter Laser Chip

12W 915nm Single Emitter Laser Chip with CW working mode. Single-emitter laser diode (SE) chips are the basic building block for high-power and high-brightness semiconductor laser modules. And it's available with any micro channel cooled



configuration.

Feature:

CW working mode

100% Power Modulation

Efficient packaging heat dissipation technology

High temperature resistance characteristics

COS Packaging Available

Application:

Solid-state Laser Pumping Source

Fiber Laser Pumping Source

Laser illumination

Free space optical communication

Data Sheet

Item No: LC915SE12

Item Name: 12W 915nm CW Single Emitter Laser Chip

Optical	Min	Typ	Max
Central Wavelength	905nm	915nm	925nm
Output Power		12W	
Power Modulation		100%	
Spectrum Bandwidth(FWHM)		4nm	
Emitter Width		90um	95um
Emitter Pitch	390um	400um	410um
Cavity Length	3990	4000um	4010
Thickness	110um	130um	150um
Fast Axis Divergence(FWHM)		29deg	
Slow Axis Divergence (FWHM)		9deg	
Slope Efficiency		1W/A	
Electrical			
Operating Current Iop		13A	
Threshold Current Ith		0.7A	
Operating Voltage Vop		1.7V	1.9V
Conversion Efficiency	52%	56%	
Thermal			
Operating Temperature	15°C	25°C	35°C
Wavelength Temperature Coefficient		0.34nm/°C	

LIV Chart:

