75W 905nm Pulse QCW Single Emitter Diode Laser Chip

We provide 75W 905nm Single Emitter Diode Laser Chip with Pulse Width and QCW working mode. Laser chip is one of the basic materials for making various laser semiconductors. We strictly monitor the production process of laser chip products, making them have good performance.

Feature:

QCW working mode, 3W/A slope efficiency

Pulse Width 100ns, Duty Cycle 0.01%, Repetition Frequency is 1000Hz

Excellent Solderability

Wide variety of bar configurations

Single Emitter Laser Chip

Application: Semiconductors as pumping sources for fiber and solid-state lasers. Use in printing technology.



Data Sheet

Item No: LC905SE75

Item Name: 75W 905nm Pulse QCW Single Emitter Diode Laser Chip

Optical	Min	Тур	Max
Central Wavelength	890nm	905nm	920nm
Output Power		75W	
Working Mode		QCW	
Spectrum Width		4nm	
Emitter Width		200um	
Chip Width		400um	
Cavity Length	990um	1000um	1010um
Thickness	110um	130um	150um
Fast Axis Divergence(FWHM)		30deg	
Slow Axis Divergence (FWHM)		10deg	
Polarization Mode		TE	
Slope Efficiency	2.8W/A	3W/A	
Electrical			
Operating Current Iop		31A	34A
Threshold Current Ith		1.3A	
Operating Voltage Vop		6.3V	7V
Conversion Efficiency	35%	40%	
Pulse Width		100um	
Duty Cycle		0.01%	
Repetition Frequency		1000Hz	
Thermal			
Operating Temperature		25	
Wavelength Temperature Coefficient		0.31nm/	



