

# 500mW 665nm Single Emitter Laser Chip

This laser chip have 500mW output power at 665nm center wavelength. The beam light is red light, which is suitable for many applications. laser detection, radar, laser marking and so on. The CW working mode with TM polarization mode can make customers have a better operating experience.

## Feature

Single emitter laser chip  
With red light  
500mW output power and 665nm wavelength  
Unique technology for highest reliability and lifetime

## Application

Laser light source  
Industry Use  
Medical use  
Defense and security



## Date sheet

Item No.: LC665SE500

Item Name: 500mW 665nm Single Emitter Laser Chip

Optical	Typ
Central Wavelength	665nm
Output Power	500mW
Working Mode	CW
Spectrum Width	3nm
Emitter Width	40um
Cavity Width	300um
Cavity Length	1500um
Thickness	150um
Fast Axis Divergence(FWHM)	35deg
Slow Axis Divergence (FWHM)	10deg
Polarization Mode	TE
Slope Efficiency	1.1W/A
Electrical	
Operating Current Iop	1A
Threshold Current Ith	0.2A
Operating Voltage Vop	2.2V
Conversion Efficiency	30%
Thermal	
Operating Temperature	25°C
Wavelength Temperature Coefficient	0.25nm/°C

Chart

